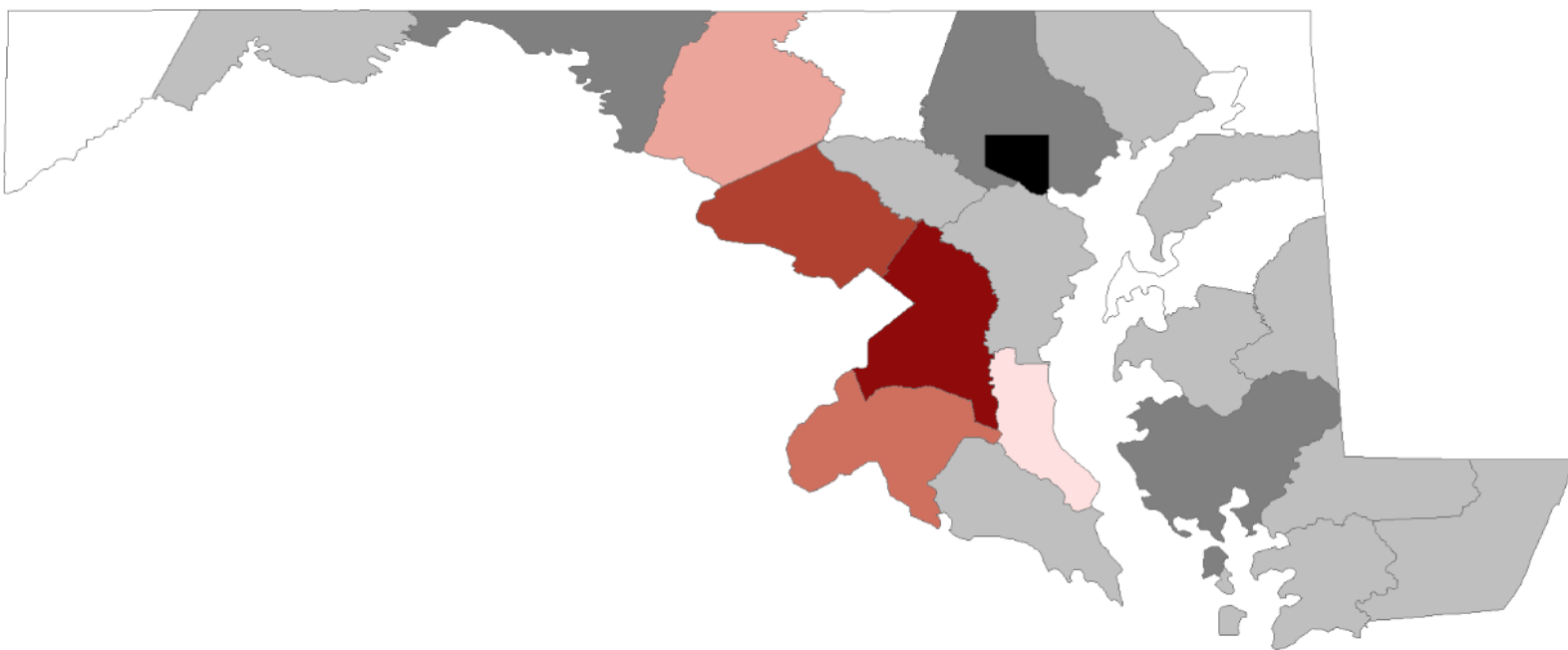


2015



Washington Metro HIV Annual Epidemiological Profile

Data reported through June 30, 2016

Center for HIV Surveillance, Epidemiology and Evaluation
Infectious Disease Epidemiology and Outbreak Response Bureau
Prevention and Health Promotion Administration
Maryland Department of Health and Mental Hygiene
<http://phpa.dhmh.maryland.gov/OIDEOR/CHSE>
1-800-358-9001

Acknowledgements

This report is published by The Center for HIV Surveillance, Epidemiology and Evaluation annually with valuable contribution from the following people listed. In addition, this report would not have been possible without the cooperation, dedication and hard work of HIV health care providers, community groups, researchers and members of the community and contribution from people with HIV.

Center for HIV Surveillance, Epidemiology and Evaluation

Colin Flynn, Chief
Jami Stockdale, Deputy Chief, Epidemiology and Evaluation
Reshma Bhattacharjee, Deputy Chief, HIV Case Surveillance

Alyssa Arey, Epidemiologist
Morgan Boyer, Epidemiologist
Harold Boykin, Epidemiologist
James Carrier, Epidemiologist
Molly Gribbin, Epidemiologist
Jennifer Lawall, Epidemiologist

Leigh Carels, Surveillance Investigator
Phyllis Finch, Surveillance Investigator
Delwar Hossain, Surveillance Investigator
Bekele Mamo, Surveillance Investigator
Winona Matthews, Surveillance Investigator
Carly Stokum, Surveillance Investigator
Assefa Tigeneh, Surveillance Investigator
Denise Bannerman-Wood, Data Quality Specialist/NIR Coordinator

Yvonne Childress, Data Specialist
Kathy Colburn, Data Specialist
Lillian Keene, Data Specialist

Nancy McCaslin, Research Statistician
Marilyn Walkins, Health Record Reviewer

Linda Knapp, Evaluator
Sara Daneshpour, Evaluator
Claire Kihn, Research Assistant

Suggested Citation: Washington Metro Annual HIV Epidemiological Profile 2015. Center for HIV Surveillance, Epidemiology and Evaluation, Department of Health and Mental Hygiene, Baltimore, MD. 2016.

Table of Contents

Acknowledgements	1
Table of Contents	2
Section I – Background Information	4
HIV/AIDS Reporting Requirements	4
For Assistance with HIV/AIDS Reporting.....	4
Limitations in the HIV/AIDS Data	4
Stages of a Case of HIV/AIDS	5
Changes in Case Terminology	5
Laboratory Data	6
Sources of Data	6
Tabulation of Column Totals	6
Data Suppression	6
HIV Exposure Categories	6
Section II – Trends 1985-2015	7
Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2015, Reported through 6/30/2016	7
Figure 2 – Trends in Living HIV Cases, 1985-2015, Reported through 6/30/2016	8
Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, 1985-2015, Reported through 6/30/2016	9
Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, 1985-2015, Reported through 6/30/2016	10
Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, 1985-2015, Reported through 6/30/2016	11
Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Exposure Category, 1985-2015, Reported through 6/30/2016	12
Section III – Adult/Adolescent Cases by Jurisdiction	12
Table 1 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 6/30/2016	13
Table 2 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 6/30/2016	14
Table 3 – Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016	14
Table 3A – Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction and Current Residence, Reported through 6/30/2016	15
Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, Reported through 6/30/2016	16
Table 5 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016	16
Figure 7 – Prevalence-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, Reported through 6/30/2016	17
Figure 7A – Prevalence-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, by Current Residence, Reported through 6/30/2016	18
Figure 8 – Diagnosis-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, Reported through 6/30/2016	19
Figure 8A – Diagnosis-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, by Current Residence, Reported through 6/30/2016	20
Section IV – Cases by Age	21
Table 6 – HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, Percent Late Diagnosis, by Age at HIV Diagnosis, Reported through 6/30/2016	21
Table 7 – AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Age at AIDS Diagnosis, Reported through 6/30/2016	21
Table 8 – HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016	23
Table 9 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016	24
Table 10 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016	24
Section V – Adult/Adolescent Cases by Demographics	25
Table 11 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2016	25

Table 12 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2016	27
Table 13 – Adult/Adolescent Living HIV Cases with and without AIDS by Sex at Birth, Race/Ethnicity, and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016	28
Table 14 –Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016	29
Table 15 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016	30
Section VI – HIV Cases by Expanded Demographics.....	31
Figure 9 – Population Pyramids of Total Living HIV Cases by Current Age, Sex at Birth, and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016	31
Table 16 – Total Living Male HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016.....	32
Table 17 – Total Living Female HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016	33
Section VII – HIV Exposure Category	34
Table 18 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Exposure Category and Sex at Birth, Reported through 6/30/2016.....	34
Table 19 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Exposure Category and Sex at Birth, Reported through 6/30/2016.....	36
Table 20 – Adult/Adolescent Living HIV Cases with and without AIDS by Exposure Category and Sex at Birth, Alive on 12/31/2015 and Reported through 6/30/2016	37
Table 21 – Adult/Adolescent Total Living HIV Cases by Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2015 and Reported through 6/30/2016	38
Table 22 – Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results by Exposure Category, Alive on 12/31/2015 and Reported through 6/30/2016	39
Table 23 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results by Exposure Category, Alive on 12/31/2015 and Reported through 6/30/2016	39
Section VIII – Disease Progression and Mortality.....	40
Figure 10 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2014, Reported through 6/30/2016	40
Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2014, Reported through 6/30/2016	41
Section IX – Pediatric Cases	41
Figure 12 – Trends in Pediatric HIV Cases, 1985-2015, Reported through 6/30/2016.....	42
Table 24 – Pediatric HIV Total Living HIV Cases, Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016.	43
Table 25 – Pediatric Total Living HIV Cases by Sex at Birth and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016	44
Glossary of Terms.....	45

Section I – Background Information

HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in COMAR 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located by mailing DHMH Form 1140. Reports are also accepted by phone.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the State Health Department by mailing DHMH Form 1140. Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing DHMH Form 1140. Reports are also accepted by phone. Facilities with large volumes are encouraged to contact the State Health Department to establish electronic reporting.
- Laboratory Chiefs are required to report patients with laboratory results indicating HIV infection (e.g., positive confirmatory HIV diagnostic tests, all CD4 immunological tests, all HIV viral load tests, and all HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the Maryland State Health Department, by mailing DHMH Form 4492. Laboratories are encouraged to contact the State Health Department to establish electronic reporting.

Reporting forms and instructions are available on our website:

<http://phpa.dhmh.maryland.gov/OIDEOR/CHSE/Pages/reporting-material.aspx>

For Assistance with HIV/AIDS Reporting

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Health Department, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

Limitations in the HIV/AIDS Data

This epidemiological profile only contains data for HIV and AIDS cases that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis or are current residents of Maryland as of 6/30/2016. Nationally, it has been estimated that 13.0% of people living with HIV infection are undiagnosed. In Maryland, it has been estimated that 16.3% of people living with HIV infection are undiagnosed. In addition, despite a massive effort during which over 17,000 HIV cases were reported after the Maryland HIV reporting law changed on April 24, 2007, not all diagnosed HIV cases previously reported by Maryland's code-based identifier were located and re-reported by name. Many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an under-reporting of HIV diagnoses before 2001 and an over-reporting of HIV diagnoses from 2001 to 2008. It is important to note that surveillance is an ongoing systematic collection, analysis, interpretation, and dissemination of laboratory data. Furthermore, laboratory data are only available for cases receiving medical care, usually only at facilities in Maryland, and only includes test results that have been reported to the health department. Linkage to care data is based solely on laboratory data reported to the health department. Caution should be exercised in using the number of living HIV cases without AIDS and in interpreting trends in the number of reported HIV diagnoses.

In addition to providing estimates of prevalent cases by residence at HIV diagnosis, this epidemiological profile includes estimates for HIV cases whose current residence as of 6/30/2016 was in Maryland. Current residence data are restricted to cases for which there is a case report form or laboratory test reported between 1/1/2009 and 6/30/2016. Restricting address data to recent years presents the most accurate data available and helps to account for cases that may have moved out of state whose data would no longer be reported in Maryland. However, current residence data excludes cases

that may be residents of Maryland but have fallen out of care during the most recent seven years. Current residence utilizes addresses as recent as 2016 but uses laboratory data from 2015 to allow for laboratory reporting.

Stages of a Case of HIV/AIDS

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

Time Point	Biological Event	Medical Event	Surveillance Event
1	HIV Infection		
2		HIV Diagnosis	
3			HIV Report
4	AIDS Conditions		
5		AIDS Diagnosis	
6			AIDS Report
7	Death		
8		Death Diagnosis	
9			Death Report

A case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur simultaneously, but usually there is a time lag between them. The time lag between events can be measured in days, months, and years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory and physician to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, and that would probably be many years after the initial HIV infection [time point 1].

Changes in Case Terminology

The terminology for HIV and AIDS cases was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both new and old diagnosed cases as well as undiagnosed infections. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is able to provide the actual number of diagnoses and deaths that are reported in the population.

For this epidemiological profile, the reports received through a certain time (six months after December 31st of the specified year) are used to generate the number of diagnoses during the prior years. This lag time allows for delays in reporting and time to complete investigations. Instead of the previous one-year lag, this epidemiological profile utilizes a six-month lag, and as a result, data on exposure category and deaths for the prior year are preliminary. For example, the Reported HIV Diagnoses for 2015 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 01/01/2015-12/31/2015, as reported by name through 6/30/2016.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the new cases each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on 6/30/2016 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 12/31/2015 as reported by name through 6/30/2016.

Laboratory Data

CD4+ T-lymphocyte tests are measures of a person's immune system function. An HIV infected adult is considered to have AIDS if they have less than 200 CD4 cells per microliter of blood. Viral load (VL) tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a very low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Treatment recommendations are that a person in HIV medical care should have their CD4 and VL levels measured regularly, at least once per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" after diagnosis or is "in care."

Sources of Data

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health and Mental Hygiene's Enhanced HIV/AIDS Reporting System (eHARS), June 30, 2016. The Washington Metro region consists of the following jurisdictions: Calvert, Charles, Frederick, Montgomery and Prince George's.

Population data by sex, age, and race/ethnicity are from the July 1, 2015 U.S. Census Estimates and by country-of-birth from the 2014 American Community Survey (note the difference in total population due to different source). Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic some other race from the Census were combined into one group.

Estimations of those undiagnosed are from Centers for Disease Control and Prevention's 2016 HIV Surveillance Supplemental Report published July 2016. The continuum of care is adapted from a 2011 article in Clinical Infectious Diseases in which a continuum of care "cascade" is used illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

Tabulation of Column Totals

Figures in tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

Data Suppression

In order to protect the confidentiality of reported HIV cases, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 cases.
- All exposure/risk information if it is describing less than 5 cases, except in the case of "other" exposure.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

HIV Exposure Categories

The Centers for Disease Control and Prevention (CDC) developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who have sex with men and report injection drug use constitutes a separate transmission category.

MSM (Men who have Sex with Men): Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

Injection Drug Use (IDU): Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

MSM/IDU: Men who report a history of sexual contact with other men who also have engaged in injection drug use.

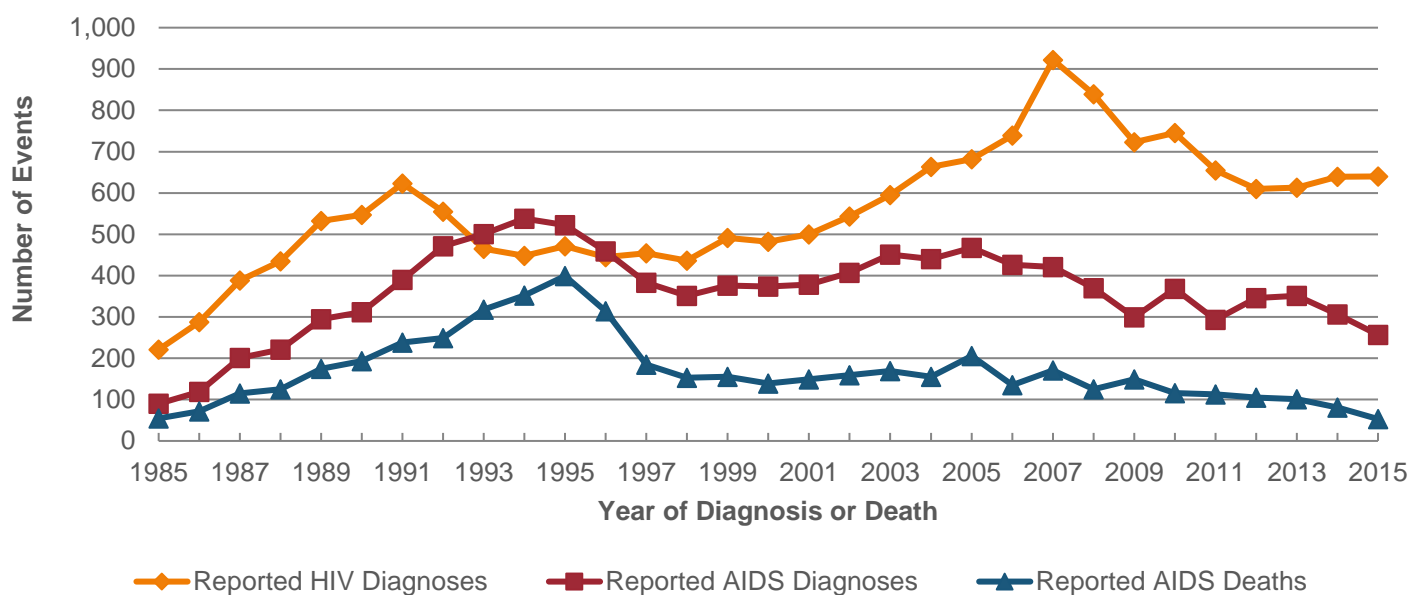
Heterosexual Exposure (HET): Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

Perinatal Exposure: Any baby born to an HIV positive mother.

Section II – Trends 1985-2015

Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2015, Reported through 6/30/2016

Reported HIV Cases with or without an AIDS Diagnosis (Reported HIV Diagnoses) by Year of HIV Diagnosis, Reported HIV Cases with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and Reported HIV Cases with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2015 as Reported through 6/30/2016



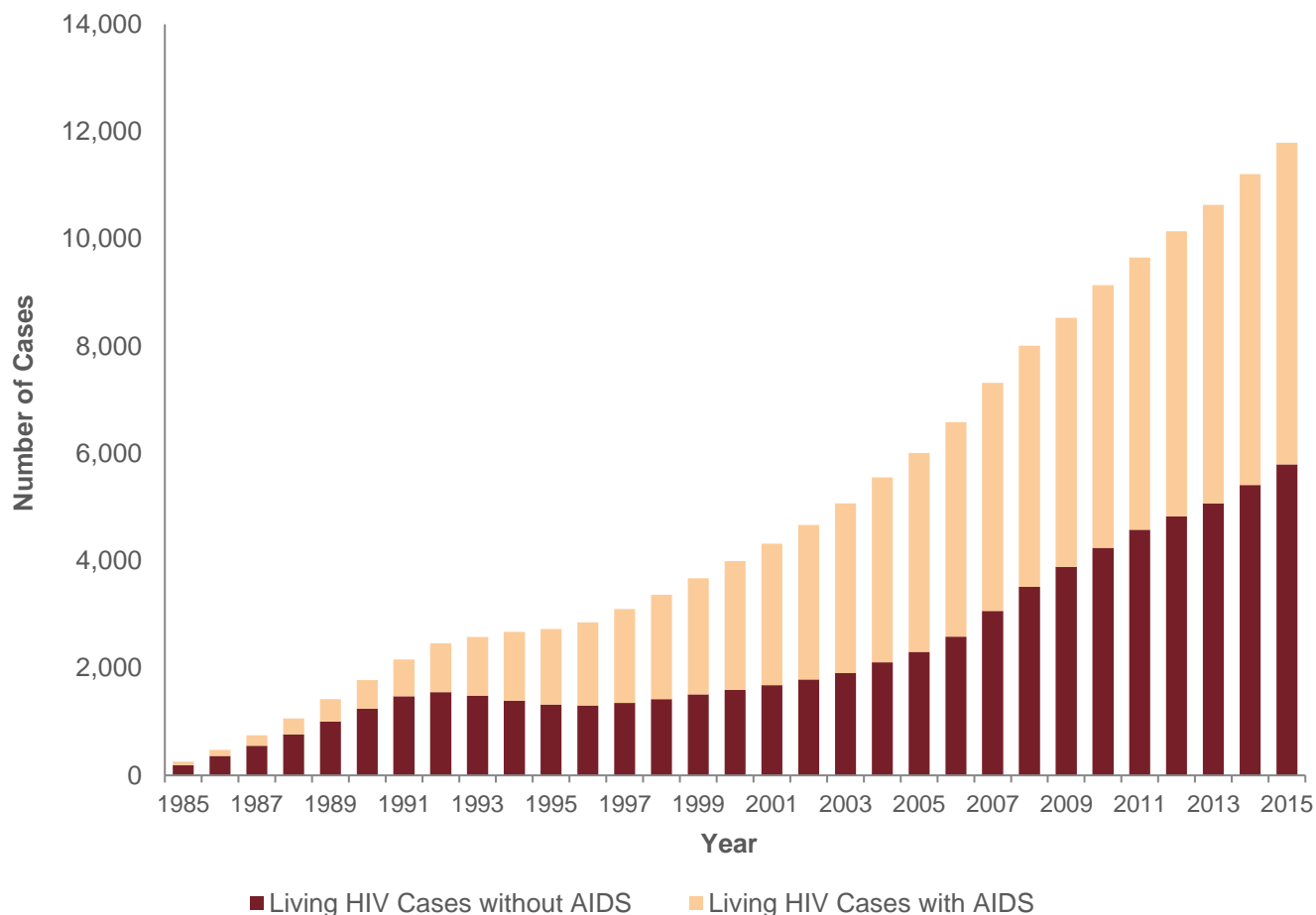
During the 2007-2008 transition to name-based reporting, many HIV cases were reported by a recent HIV diagnosis and not by their earliest HIV diagnosis, resulting in an artificial upward trend in HIV diagnoses during the period 2001-2008.

YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS	YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS
<1985	112	60	28	2000	482	374	139
1985	221	90	55	2001	500	378	149
1986	288	119	72	2002	543	407	159
1987	388	201	115	2003	595	451	169
1988	435	221	125	2004	663	440	155
1989	532	295	175	2005	682	467	206
1990	547	312	193	2006	739	426	135
1991	623	390	238	2007	922	421	171
1992	555	471	249	2008	839	370	125
1993	465	501	318	2009	723	299	149
1994	448	538	352	2010	745	368	116
1995	471	522	399	2011	655	293	113
1996	445	459	314	2012	610	346	105
1997	454	383	185	2013	613	351	101
1998	436	351	153	2014	639	306	81*
1999	491	376	155	2015	640	257	53*
				TOTAL	17,501	11,243	5,252

*2014-2015 reported AIDS deaths are preliminary.

Figure 2 – Trends in Living HIV Cases, 1985-2015, Reported through 6/30/2016

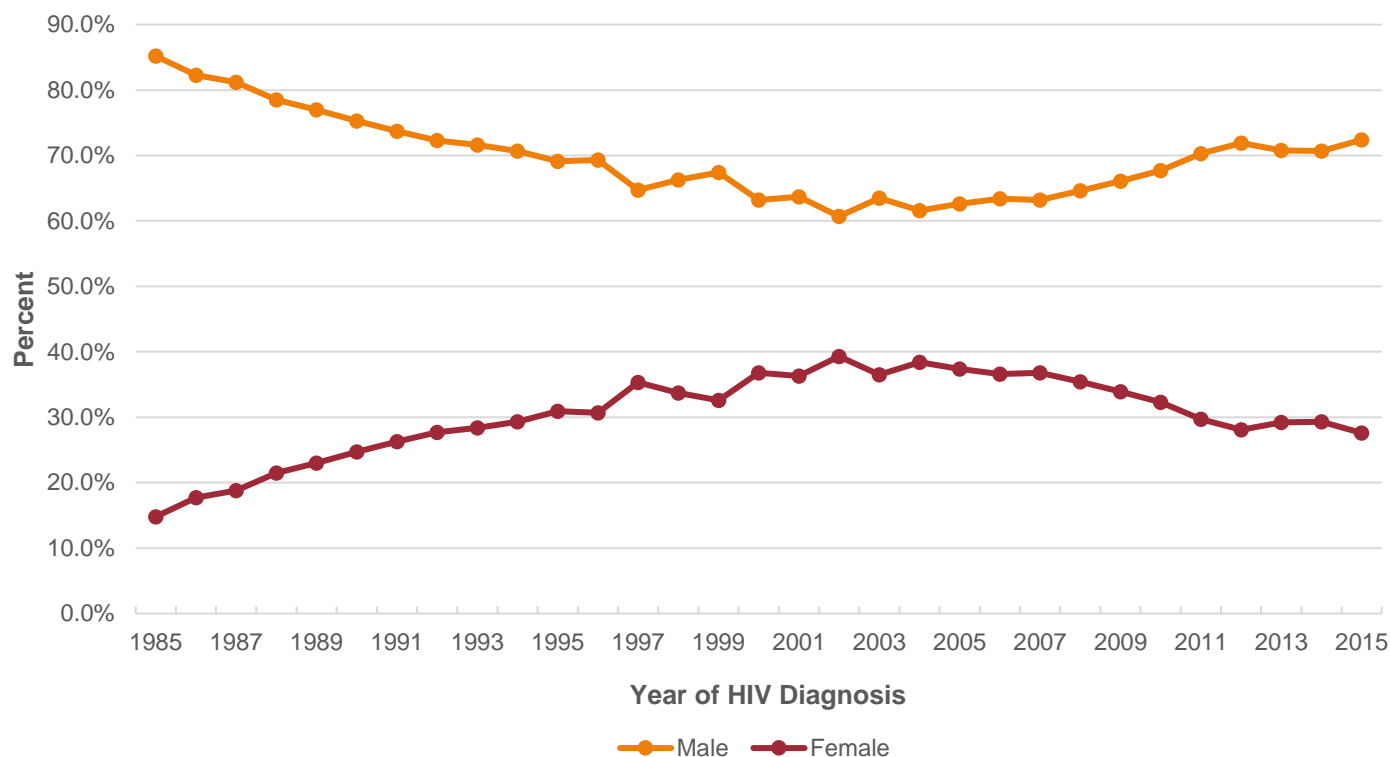
Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to have Died as of December 31st of Each Year (Living HIV Cases without AIDS, Living HIV Cases with AIDS, and Total Living HIV Cases) from 1985 through 2015, as Reported through 6/30/2016



YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES	YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES
1985	190	66	256	2000	1,590	2,401	3,991
1986	361	113	474	2001	1,684	2,632	4,316
1987	550	199	749	2002	1,790	2,880	4,670
1988	766	295	1,061	2003	1,905	3,162	5,067
1989	1,004	415	1,419	2004	2,109	3,447	5,556
1990	1,241	534	1,775	2005	2,300	3,708	6,008
1991	1,477	686	2,163	2006	2,585	3,999	6,584
1992	1,553	908	2,461	2007	3,066	4,249	7,315
1993	1,489	1,091	2,580	2008	3,514	4,494	8,008
1994	1,394	1,278	2,672	2009	3,885	4,644	8,529
1995	1,323	1,403	2,726	2010	4,241	4,896	9,137
1996	1,301	1,549	2,850	2011	4,579	5,076	9,655
1997	1,352	1,747	3,099	2012	4,826	5,317	10,143
1998	1,420	1,945	3,365	2013	5,068	5,567	10,635
1999	1,508	2,166	3,674	2014	5,415	5,792	11,207
				2015	5,797	5,996	11,793

Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, 1985-2015, Reported through 6/30/2016

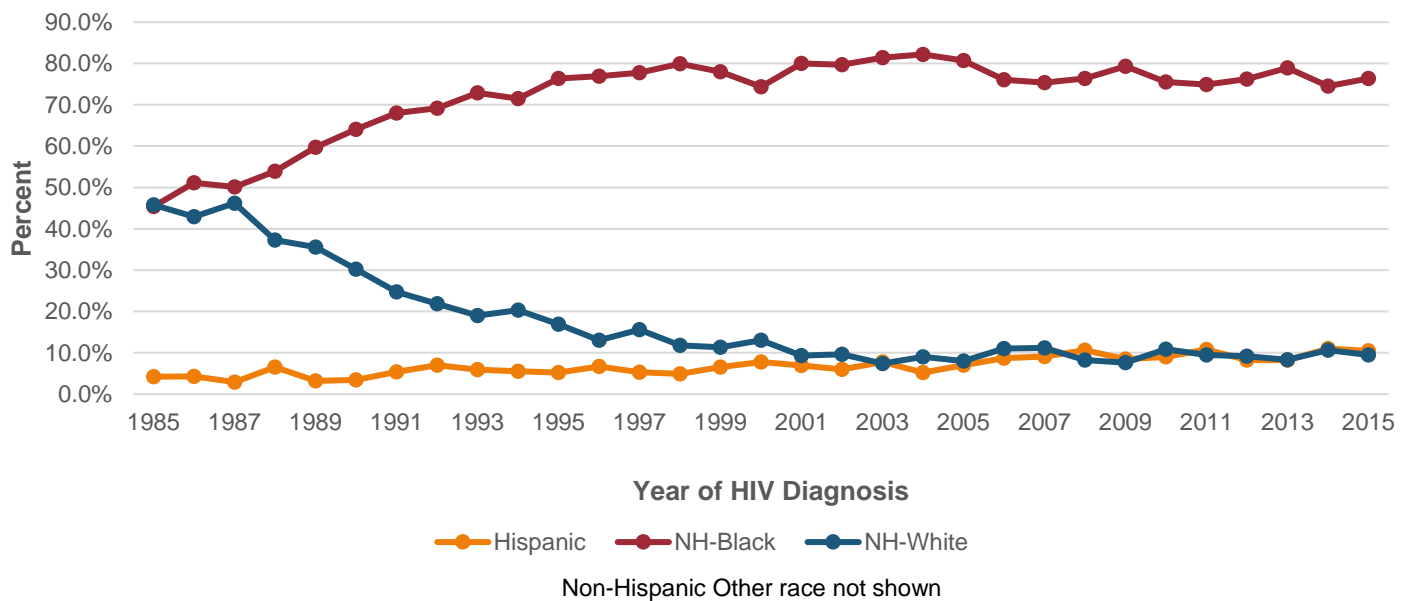
Percent by Sex at Birth of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES			YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES		
	No.	% Male	% Female		No.	% Male	% Female
<1985	110	90.0%	10.0%	2000	477	60.2%	39.8%
1985	216	87.0%	13.0%	2001	495	58.4%	41.6%
1986	282	86.9%	13.1%	2002	532	58.5%	41.5%
1987	383	83.0%	17.0%	2003	592	62.5%	37.5%
1988	432	80.6%	19.4%	2004	659	55.8%	44.2%
1989	526	84.2%	15.8%	2005	674	58.3%	41.7%
1990	537	76.0%	24.0%	2006	728	59.3%	40.7%
1991	612	78.3%	21.7%	2007	902	60.9%	39.1%
1992	543	75.0%	25.0%	2008	834	63.1%	36.9%
1993	457	74.6%	25.4%	2009	720	64.2%	35.8%
1994	439	74.3%	25.7%	2010	744	67.5%	32.5%
1995	462	67.7%	32.3%	2011	650	66.8%	33.2%
1996	432	67.6%	32.4%	2012	609	69.8%	30.2%
1997	450	62.2%	37.8%	2013	611	68.1%	31.9%
1998	432	66.9%	33.1%	2014	635	68.5%	31.5%
1999	478	63.0%	37.0%	2015	640	70.6%	29.4%
				TOTAL	17,293	67.8%	32.2%

Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, 1985-2015, Reported through 6/30/2016

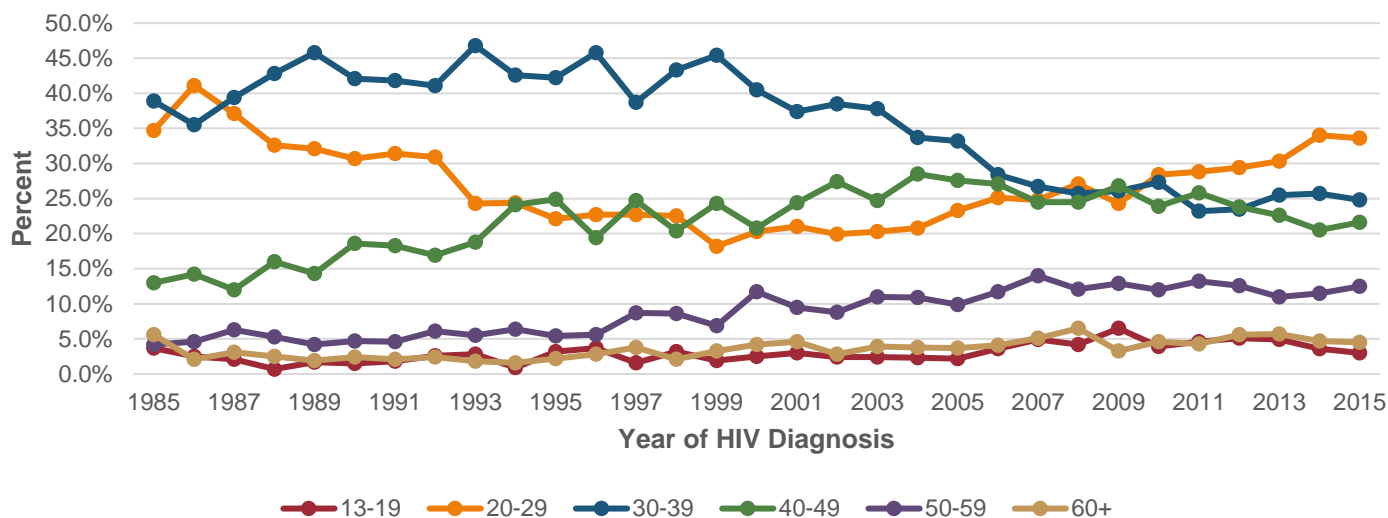
Percent by Race/Ethnicity of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES				
	No.	% Hispanic	% Non-Hispanic Black, only	% Non-Hispanic White, only	% Non-Hispanic Other Race
<1985	110	1.8%	58.2%	39.1%	0.9%
1985	216	4.2%	45.4%	45.8%	4.6%
1986	282	4.3%	51.1%	42.9%	1.8%
1987	383	2.9%	50.1%	46.2%	0.8%
1988	432	6.5%	53.9%	37.3%	2.3%
1989	526	3.2%	59.7%	35.6%	1.5%
1990	537	3.4%	64.1%	30.2%	2.4%
1991	612	5.4%	68.0%	24.7%	2.0%
1992	543	7.0%	69.2%	21.9%	1.8%
1993	457	5.9%	72.9%	19.0%	2.2%
1994	439	5.5%	71.5%	20.3%	2.7%
1995	462	5.2%	76.4%	16.9%	1.5%
1996	432	6.7%	76.9%	13.0%	3.5%
1997	450	5.3%	77.8%	15.6%	1.3%
1998	432	4.9%	79.9%	11.8%	3.5%
1999	478	6.5%	78.0%	11.3%	4.2%
2000	477	7.8%	74.4%	13.0%	4.8%
2001	495	6.9%	80.0%	9.3%	3.8%
2002	532	6.0%	79.7%	9.6%	4.7%
2003	592	7.8%	81.4%	7.4%	3.4%
2004	659	5.2%	82.2%	9.0%	3.6%
2005	674	7.0%	80.7%	8.0%	4.3%
2006	728	8.7%	76.1%	11.0%	4.3%
2007	902	9.1%	75.4%	11.2%	4.3%
2008	834	10.6%	76.4%	8.2%	4.9%
2009	720	8.5%	79.3%	7.6%	4.6%
2010	744	9.0%	75.5%	10.9%	4.6%
2011	650	10.8%	74.9%	9.5%	4.8%
2012	609	8.2%	76.2%	9.2%	6.4%
2013	611	8.2%	78.9%	8.3%	4.6%
2014	635	11.0%	74.5%	10.6%	3.9%
2015	640	10.5%	76.4%	9.5%	3.6%
TOTAL	17,293	7.2%	73.6%	15.6%	3.6%

Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, 1985-2015, Reported through 6/30/2016

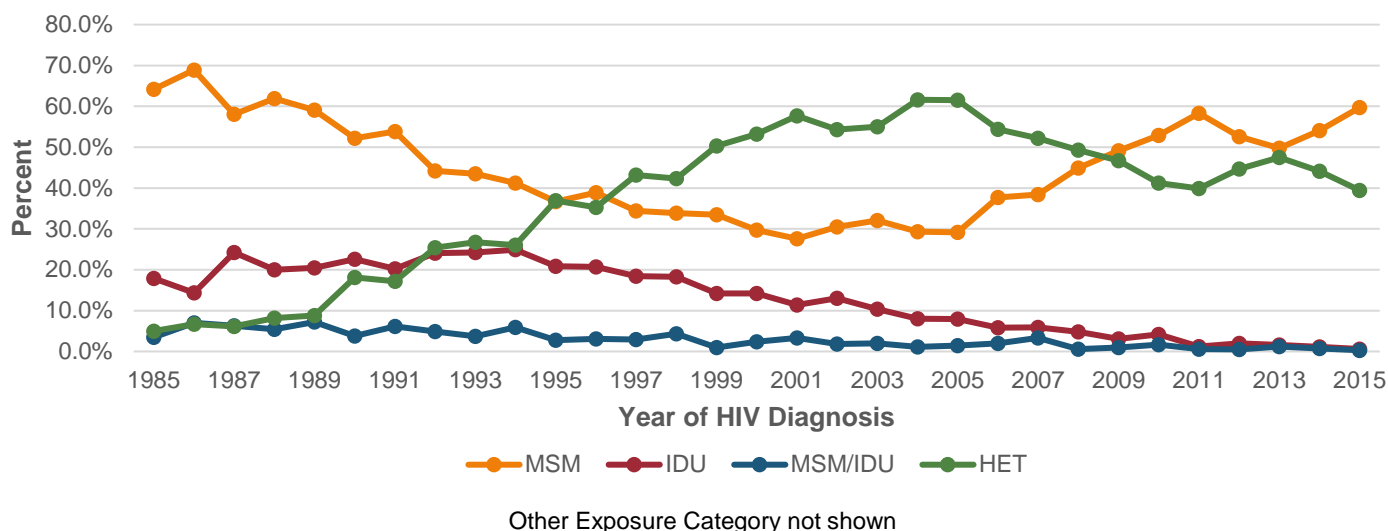
Percent by Age at HIV Diagnosis of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	REPORTED ADULT/ADOLESCENT HIV DIAGNOSES						
	No.	% Age 13-19	% Age 20-29	% Age 30-39	% Age 40-49	% Age 50-59	% Age 60+
<1985	110	7.3%	36.4%	30.9%	19.1%	3.6%	2.7%
1985	216	3.7%	34.7%	38.9%	13.0%	4.2%	5.6%
1986	282	2.5%	41.1%	35.5%	14.2%	4.6%	2.1%
1987	383	2.1%	37.1%	39.4%	12.0%	6.3%	3.1%
1988	432	0.7%	32.6%	42.8%	16.0%	5.3%	2.5%
1989	526	1.7%	32.1%	45.8%	14.3%	4.2%	1.9%
1990	537	1.5%	30.7%	42.1%	18.6%	4.7%	2.4%
1991	612	1.8%	31.4%	41.8%	18.3%	4.6%	2.1%
1992	543	2.6%	30.9%	41.1%	16.9%	6.1%	2.4%
1993	457	2.8%	24.3%	46.8%	18.8%	5.5%	1.8%
1994	439	0.9%	24.4%	42.6%	24.1%	6.4%	1.6%
1995	462	3.2%	22.1%	42.2%	24.9%	5.4%	2.2%
1996	432	3.7%	22.7%	45.8%	19.4%	5.6%	2.8%
1997	450	1.6%	22.7%	38.7%	24.7%	8.7%	3.8%
1998	432	3.2%	22.5%	43.3%	20.4%	8.6%	2.1%
1999	478	1.9%	18.2%	45.4%	24.3%	6.9%	3.3%
2000	477	2.5%	20.3%	40.5%	20.8%	11.7%	4.2%
2001	495	3.0%	21.0%	37.4%	24.4%	9.5%	4.6%
2002	532	2.4%	19.9%	38.5%	27.4%	8.8%	2.8%
2003	592	2.4%	20.3%	37.8%	24.7%	11.0%	3.9%
2004	659	2.3%	20.8%	33.7%	28.5%	10.9%	3.8%
2005	674	2.2%	23.3%	33.2%	27.6%	9.9%	3.7%
2006	728	3.6%	25.1%	28.4%	27.1%	11.7%	4.1%
2007	902	4.9%	24.8%	26.7%	24.5%	14.0%	5.1%
2008	834	4.2%	27.1%	25.7%	24.5%	12.1%	6.5%
2009	720	6.5%	24.3%	26.1%	26.8%	12.9%	3.3%
2010	744	3.9%	28.4%	27.3%	23.9%	12.0%	4.6%
2011	650	4.6%	28.8%	23.2%	25.8%	13.2%	4.3%
2012	609	5.1%	29.4%	23.5%	23.8%	12.6%	5.6%
2013	611	4.9%	30.3%	25.5%	22.6%	11.0%	5.7%
2014	635	3.6%	34.0%	25.7%	20.5%	11.5%	4.7%
2015	640	3.0%	33.6%	24.8%	21.6%	12.5%	4.5%
TOTAL	17,293	3.2%	26.8%	34.4%	22.5%	9.4%	3.7%

Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Exposure Category, 1985-2015, Reported through 6/30/2016

Percent by Exposure Category of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) and with Reported Exposure Category by Year of HIV Diagnosis from 1985 through 2015, as Reported through 6/30/2016



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						
	No.	With Exposure Category					% Other Exposure
		No.	% MSM	% IDU	% MSM/IDU	% HET	
<1985	110	98	73.5%	13.3%	5.1%	5.1%	3.1%
1985	216	201	64.2%	17.9%	3.5%	5.0%	9.5%
1986	282	270	68.9%	14.4%	7.0%	6.7%	3.0%
1987	383	363	58.1%	24.2%	6.3%	6.1%	5.2%
1988	432	404	61.9%	20.0%	5.4%	8.2%	4.5%
1989	526	487	59.1%	20.5%	7.2%	8.8%	4.3%
1990	537	504	52.2%	22.6%	3.8%	18.1%	3.4%
1991	612	559	53.8%	20.2%	6.1%	17.2%	2.7%
1992	543	473	44.2%	24.1%	4.9%	25.4%	1.5%
1993	457	405	43.5%	24.2%	3.7%	26.7%	2.0%
1994	439	393	41.2%	24.9%	5.9%	26.0%	2.0%
1995	462	398	36.7%	20.9%	2.8%	36.9%	2.8%
1996	432	357	38.9%	20.7%	3.1%	35.3%	2.0%
1997	450	375	34.4%	18.4%	2.9%	43.2%	1.1%
1998	432	345	33.9%	18.3%	4.3%	42.3%	1.2%
1999	478	388	33.5%	14.2%	1.0%	50.3%	1.0%
2000	477	374	29.7%	14.2%	2.4%	53.2%	0.5%
2001	495	395	27.6%	11.4%	3.3%	57.7%	0.0%
2002	532	440	30.5%	13.0%	1.8%	54.3%	0.5%
2003	592	498	32.1%	10.4%	2.0%	55.0%	0.4%
2004	659	523	29.3%	8.0%	1.1%	61.6%	0.0%
2005	674	504	29.2%	7.9%	1.4%	61.5%	0.0%
2006	728	496	37.7%	5.8%	2.0%	54.4%	0.0%
2007	902	575	38.4%	5.9%	3.3%	52.2%	0.2%
2008	834	477	44.9%	4.8%	0.6%	49.3%	0.4%
2009	720	381	49.1%	3.1%	1.0%	46.7%	0.0%
2010	744	403	52.9%	4.2%	1.7%	41.2%	0.0%
2011	650	333	58.3%	1.2%	0.6%	39.9%	0.0%
2012	609	405	52.6%	2.0%	0.5%	44.7%	0.2%
2013	611	434	49.8%	1.6%	1.2%	47.5%	0.0%
2014	635	438	54.1%	1.1%	0.7%	44.1%	0.0%
2015*	640	350	59.7%	0.6%	0.3%	39.4%	0.0%
TOTAL	17,293	13,046	44.6%	12.8%	3.0%	38.3%	1.4%

*2015 reported HIV exposure data are preliminary.

Section III – Adult/Adolescent Cases by Jurisdiction

Table 1 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 6/30/2016

Jurisdiction of Residence at HIV Diagnosis	Population Age 13+	Adult/Adolescent Reported HIV Diagnoses									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late HIV Diagnosis	% Late HIV Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
Calvert	76,074	3	0.5%	3.9	***	***	***	***	***	***	***
Charles	129,678	26	4.1%	20.0	21	80.8%	***	***	19	73.1%	425
Frederick	204,660	13	2.0%	6.4	***	***	***	***	***	***	***
Montgomery	864,331	176	27.5%	20.4	144	81.8%	44	25.0%	143	81.3%	360
Prince George's	758,979	422	65.9%	55.6	354	83.9%	95	22.5%	353	83.6%	372
TOTAL	2,033,724	640	100.0%	31.5	533	83.3%	147	23.0%	529	82.7%	369

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Number and percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Table 2 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT AIDS DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Calvert	76,074	3	1.2%	3.9	***	***
Charles	129,678	9	3.5%	6.9	6.8	33.3%
Frederick	204,660	3	1.2%	1.5	***	***
Montgomery	864,331	72	28.3%	8.3	3.1	65.3%
Prince George's	758,979	167	65.7%	22.0	3.3	58.1%
TOTAL	2,033,724	254	100.0%	12.5	3.3	59.8%

*** Data withheld due to low population counts and/or case counts

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Table 3 – Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			
		No.	% of Total	Rate	No.	% of Total	Rate	No.	% of Total	Rate	Ratio (1 in X)
Calvert	76,074	50	0.9%	65.7	53	0.9%	69.7	103	0.9%	135.4	738
Charles	129,678	229	4.0%	176.6	183	3.1%	141.1	412	3.5%	317.7	314
Frederick	204,660	168	2.9%	82.1	152	2.6%	74.3	320	2.8%	156.4	639
Montgomery	864,331	1,777	31.1%	205.6	1,959	33.1%	226.6	3,736	32.1%	432.2	231
Prince George's	758,979	3,481	61.0%	458.6	3,579	60.4%	471.6	7,060	60.7%	930.2	107
TOTAL	2,033,724	5,705	100.0%	280.5	5,926	100.0%	291.4	11,631	100.0%	571.9	174

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2015.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 3A – Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction and Current Residence, Reported through 6/30/2016

Jurisdiction of Residence	Population Age 13+	Adult/Adolescent Living HIV Cases with or without AIDS Diagnosis								
		Residence at HIV Diagnosis				Current Residence				% Change
		No.	% of Total	Rate	Ratio	No.	% of Total	Rate	Ratio	
Calvert	76,074	103	0.9%	135.4	738	120	1.1%	157.7	633	16.5%
Charles	129,678	412	3.5%	317.7	314	453	4.0%	349.3	286	10.0%
Frederick	204,660	320	2.8%	156.4	639	354	3.2%	173.0	578	10.6%
Montgomery	864,331	3,736	32.1%	432.2	231	3,082	27.4%	356.6	280	-17.5%
Prince George's	758,979	7,060	60.7%	930.2	107	7,226	64.3%	952.1	105	2.4%
TOTAL	2,033,724	11,631	100.0%	571.9	174	11,235	100.0%	552.4	181	-3.4%

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Jurisdiction of Residence: Jurisdiction of residence at time of initial HIV diagnosis or most recent lab test.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2015.

Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Current Residence: Jurisdiction of residence from the most recent laboratory test or case report between 1/1/2009-6/30/2016.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Percent Change: The extent to which a county gained or lost HIV/AIDS cases relative to the number of cases diagnosed in the county.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT DIAGNOSIS	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Calvert	103	72	69.9%	648	8.3%	12.5%	12.5%	66.7%
Charles	412	248	60.2%	610	10.1%	11.3%	16.5%	62.1%
Frederick	320	179	55.9%	565	8.9%	11.2%	20.1%	59.8%
Montgomery	3,736	1,925	51.5%	547	9.5%	14.1%	20.1%	56.3%
Prince George's	7,060	3,945	55.9%	537	11.7%	14.4%	19.1%	54.9%
TOTAL	11,631	6,369	54.8%	546	10.8%	14.1%	19.2%	55.8%

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, reported through 6/30/2016.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Table 5 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT DIAGNOSIS	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Calvert	103	74	71.8%	86.5%	17,757
Charles	412	252	61.2%	75.8%	14,740
Frederick	320	186	58.1%	83.9%	4,019
Montgomery	3,736	1,913	51.2%	85.3%	11,740
Prince George's	7,060	3,936	55.8%	79.4%	15,849
TOTAL	11,631	6,361	54.7%	81.2%	14,409

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

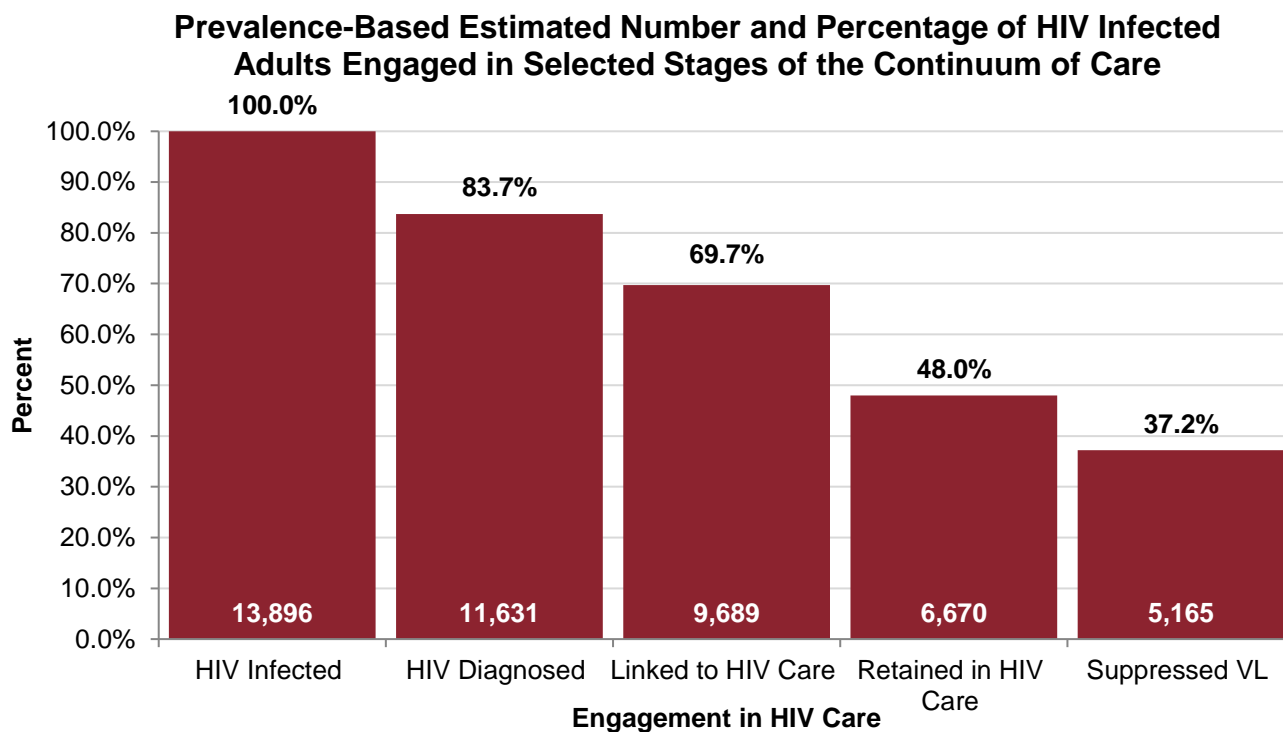
Recent Viral Load Test Result: The most recent viral load test result measured in the specified year, reported through 6/30/2016.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

Figure 7 – Prevalence-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, Reported through 6/30/2016

In their 2011 article in *Clinical Infectious Diseases*, Gardner et al.¹ utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care. The prevalence-based Washington Metro Engagement in HIV Care Cascade (below) uses a CDC estimate of the percentage of undiagnosed persons in Maryland (16.3%)² to generate an estimated number of HIV infected persons in the Washington Metro region. It then uses local data to describe the number and percentage of persons living with HIV in the Washington Metro region who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Infected	13,896	100.0%
HIV Diagnosed	11,631	83.7%
Linked to HIV Care	9,689	69.7%
Retained in HIV Care	6,670	48.0%
Suppressed VL	5,165	37.2%

HIV Infected: HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (16.3%) in Maryland.

HIV Diagnosed: Adult/adolescent total living HIV cases as of December 31st of the specified year.

Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016.

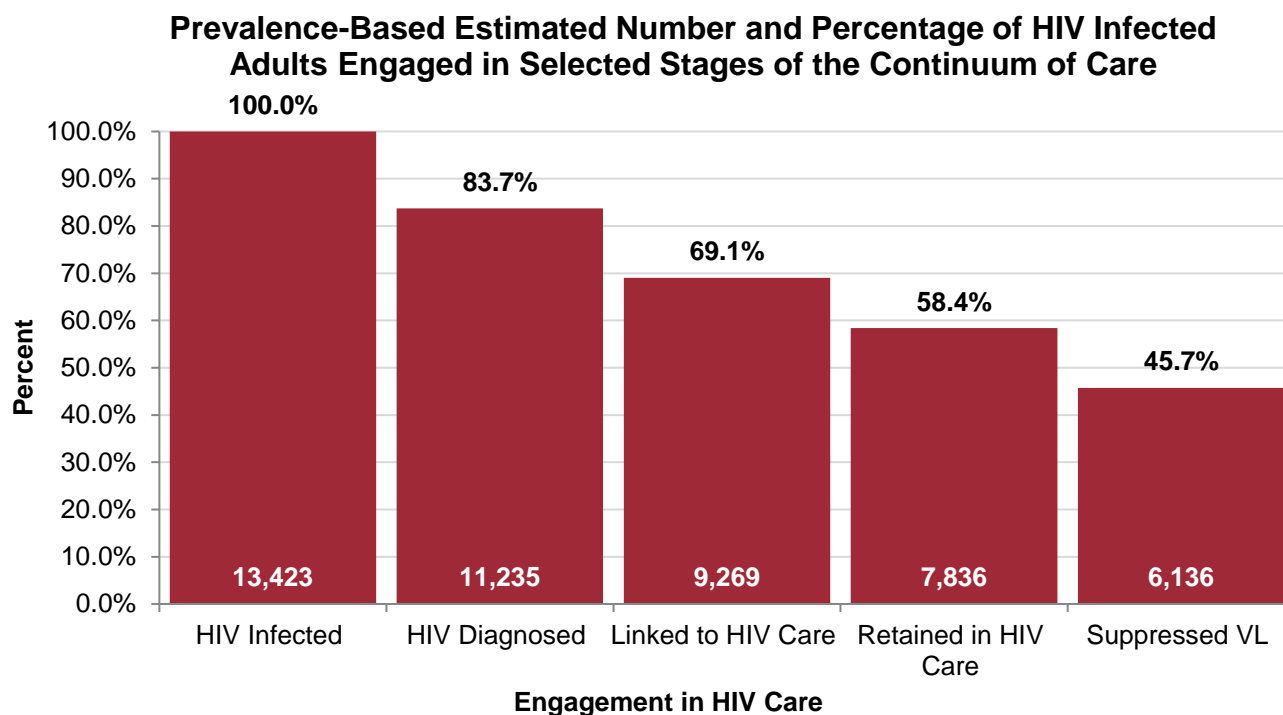
Suppressed Viral Load: HIV Diagnosed with the most recent viral load measured in the specified year, reported through 6/30/2016 of less than 200 copies per milliliter.

¹ Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test and Treat Strategies for Prevention of HIV Infection.” *Clin Infect Dis.* 2011; 52 (6): 7930-800.

² Centers for Disease Control and Prevention. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2014. *HIV Surveillance Supplemental Report* 2016;21(No. 4). <http://www.cdc.gov/hiv/library/reports/surveillance/>. Published July 2016.

Figure 7A – Prevalence-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, by Current Residence, Reported through 6/30/2016

The prevalence-based Washington Metro Engagement in HIV Care Cascade (below) uses a CDC estimate of the percentage of undiagnosed persons in Maryland (16.3%)¹ to generate an estimated number of HIV infected persons in the Washington Metro region. It then uses local data for current Washington Metro residents to describe the number and percentage of persons living with HIV in the Washington Metro region who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Infected	13,423	100.0%
HIV Diagnosed	11,235	83.7%
Linked to HIV Care	9,269	69.1%
Retained in HIV Care	7,836	58.4%
Suppressed VL	6,136	45.7%

HIV Infected: HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (16.3%) in Maryland.

HIV Diagnosed: Adult/adolescent total living HIV as of December 31st of the specified year with a recent address in Maryland between 2009 and 2016.

Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016.

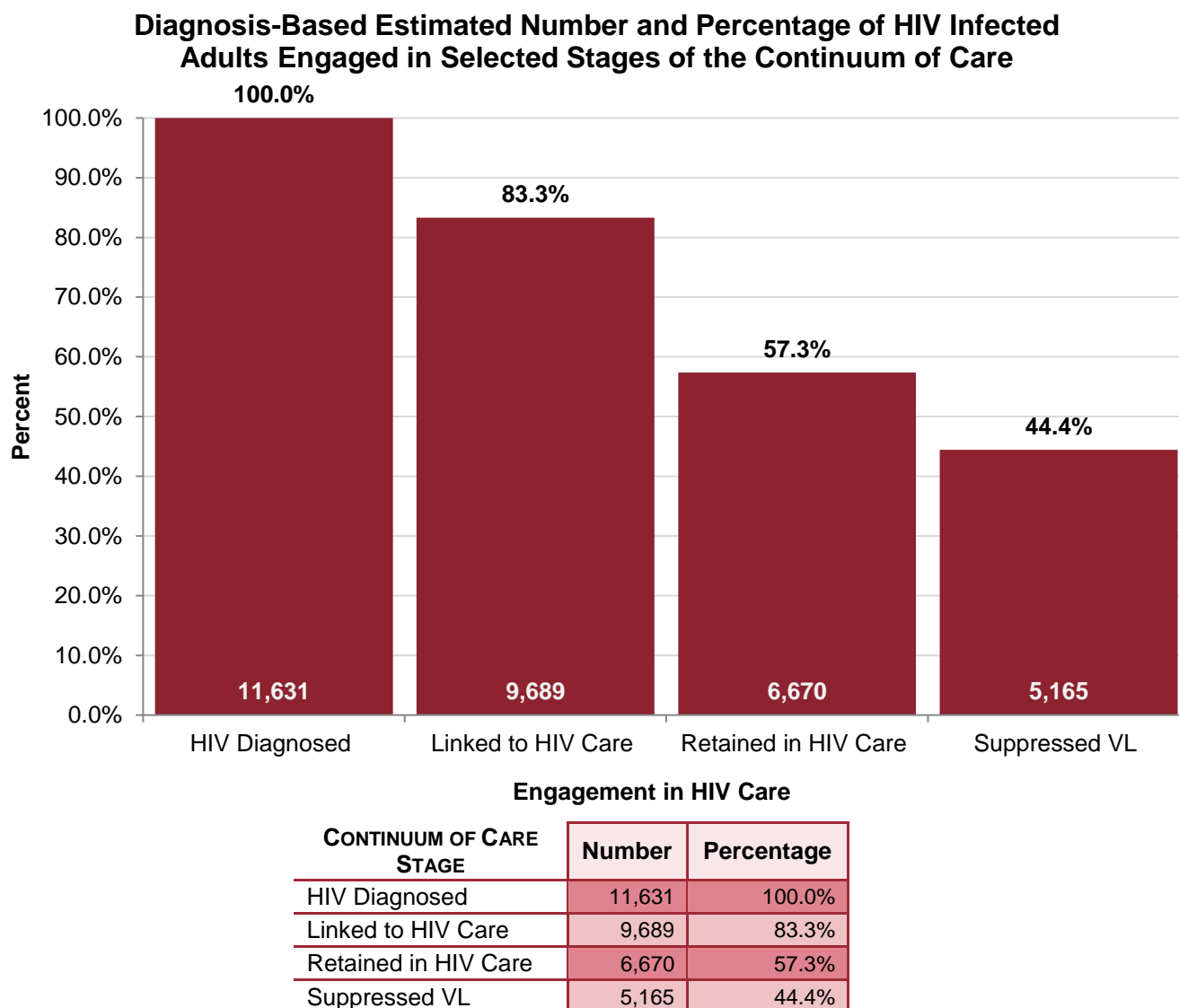
Suppressed Viral Load: HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31st of the specified year of less than 200 copies per milliliter.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

¹ Centers for Disease Control and Prevention. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2014. *HIV Surveillance Supplemental Report* 2016;21(No. 4). <http://www.cdc.gov/hiv/library/reports/surveillance/>. Published July 2016.

Figure 8 – Diagnosis-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, Reported through 6/30/2016

The diagnosis-based Washington Metro Engagement in HIV Care Cascade (below) uses local data to describe the number and percentage of persons diagnosed with HIV in the Washington Metro region who belong to each of the stages of engagement in HIV care.



HIV Diagnosed: Adult/adolescent total living HIV cases as of December 31st of the specified year.

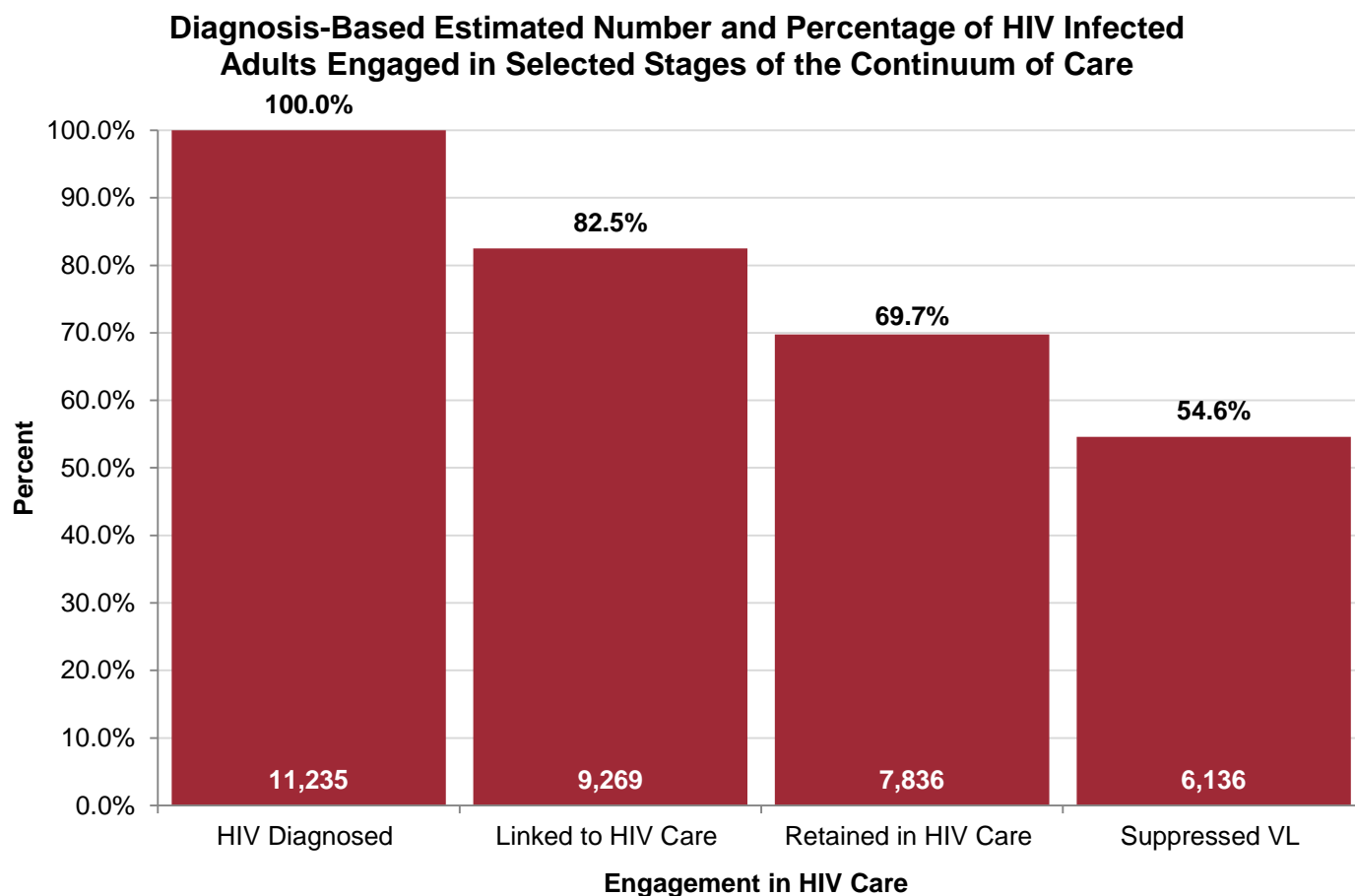
Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016

Suppressed Viral Load: HIV Diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

Figure 8A – Diagnosis-Based Estimated Adult/Adolescent 2015 HIV Continuum of Care Cascades, by Current Residence, Reported through 6/30/2016

The diagnosis-based Washington Metro Engagement in HIV Care Cascade (below) uses local data for current Washington Metro residents to describe the number and percentage of persons diagnosed with HIV in the Washington Metro region who belong to each of the stages of engagement in HIV care.



CONTINUUM OF CARE STAGE	Number	Percentage
HIV Diagnosed	11,235	100.0%
Linked to HIV Care	9,269	82.5%
Retained in HIV Care	7,836	69.7%
Suppressed VL	6,136	54.6%

HIV Diagnosed: Adult/adolescent total living HIV as of December 31st of the specified year with a recent address in Maryland between 2009 and 2016.

Linked to HIV Care: HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 or viral load test result measured in the specified year, reported through 6/30/2016.

Suppressed Viral Load: HIV Diagnosed with the most recent viral measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5227.

Section IV – Cases by Age

Table 6 – HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, Percent Late Diagnosis, by Age at HIV Diagnosis, Reported through 6/30/2016

AGE AT HIV DIAGNOSIS	POPULATION	REPORTED HIV DIAGNOSES									
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. Late Diagnosis	% Late Diagnosis	First CD4 Test Result		
									No. with Test	% with Test	Median Count
<5 (Pediatric)	156,351	0	0.0%	0.0	--	--	--	--	--	--	--
5-12 (Pediatric)	251,611	0	0.0%	0.0	--	--	--	--	--	--	--
13-19	220,596	19	3.0%	8.6	17	89.5%	***	***	17	89.5%	361
20-29	322,780	215	33.6%	66.6	179	83.3%	31	14.4%	179	83.3%	424
30-39	335,638	159	24.8%	47.4	131	82.4%	41	25.8%	132	83.0%	391
40-49	342,415	138	21.6%	40.3	116	84.1%	39	28.3%	114	82.6%	354
50-59	355,455	80	12.5%	22.5	68	85.0%	29	36.3%	66	82.5%	254
60+	456,840	29	4.5%	6.3	22	75.9%	***	***	21	72.4%	334
TOTAL	2,441,686	640	100.0%	26.2	533	83.3%	147	23.0%	529	82.7%	369

*** Data withheld due to low population counts and/or case counts

Table 7 – AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Age at AIDS Diagnosis, Reported through 6/30/2016

AGE AT AIDS DIAGNOSIS	POPULATION	REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<5 (Pediatric)	156,351	0	0.0%	0.0	--	--
5-12 (Pediatric)	251,611	0	0.0%	0.0	--	--
13-19	220,596	3	1.2%	1.4	***	***
20-29	322,780	47	18.3%	14.6	2.0	63.8%
30-39	335,638	71	27.6%	21.2	2.5	63.4%
40-49	342,415	76	29.6%	22.2	4.1	53.9%
50-59	355,455	48	18.7%	13.5	4.1	60.4%
60+	456,840	12	4.7%	2.6	***	***
TOTAL	2,441,686	257	100.0%	10.5	3.4	59.1%

*** Data withheld due to low population counts and/or case counts

Reported HIV Diagnoses: Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

Age at HIV Diagnosis: Age group at time of initial HIV diagnosis.

Population: Population estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Age at AIDS Diagnosis: Age group at time of initial AIDS diagnosis.

Reported AIDS Diagnoses: Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Table 8 – HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016

AGE ON 12/31/2015	POPULATION	LIVING HIV CASES WITHOUT AIDS			LIVING HIV CASES WITH AIDS			TOTAL LIVING HIV CASES			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
<5	156,351	4	0.1%	2.6	0	0.0%	0.0	4	0.0%	2.6	39,087
5-12	251,611	21	0.4%	8.3	3	0.1%	1.2	24	0.2%	9.5	10,483
13-19	220,596	71	1.2%	32.2	17	0.3%	7.7	88	0.7%	39.9	2,506
20-29	322,780	1,008	17.4%	312.3	351	5.9%	108.7	1,359	11.5%	421.0	237
30-39	335,638	1,422	24.5%	423.7	980	16.3%	292.0	2,402	20.4%	715.7	139
40-49	342,415	1,428	24.6%	417.0	1,799	30.0%	525.4	3,227	27.4%	942.4	106
50-59	355,455	1,253	21.6%	352.5	1,872	31.2%	526.6	3,125	26.5%	879.2	113
60+	456,840	590	10.2%	129.1	974	16.2%	213.2	1,564	13.3%	342.4	292
TOTAL	2,441,686	5,797	100.0%	237.4	5,996	100.0%	245.6	11,793	100.0%	483.0	207

Age on [date]: Age group of living cases on the specified date.

Population: Population estimate for 7/1/2015.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 9 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016

AGE ON 12/31/2015	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
13-19	38	26	68.4%	535	3.8%	23.1%	23.1%	50.0%
20-29	1,284	788	61.4%	558	7.6%	12.6%	22.8%	57.0%
30-39	2,394	1,285	53.7%	531	13.1%	13.1%	19.5%	54.3%
40-49	3,226	1,768	54.8%	538	11.8%	13.9%	19.3%	55.0%
50-59	3,125	1,687	54.0%	554	10.8%	15.0%	17.9%	56.3%
60+	1,564	815	52.1%	559	8.6%	15.3%	17.8%	58.3%
TOTAL	11,631	6,369	54.8%	546	10.8%	14.1%	19.2%	55.8%

Table 10 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2015, by Age on 12/31/2015, Reported through 6/30/2016

AGE ON 12/31/2015	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
13-19	38	26	68.4%	57.7%	25,400
20-29	1,284	795	61.9%	68.7%	19,953
30-39	2,394	1,301	54.3%	78.2%	15,405
40-49	3,226	1,756	54.4%	81.8%	16,341
50-59	3,125	1,685	53.9%	85.0%	10,050
60+	1,564	798	51.0%	90.0%	6,505
TOTAL	11,631	6,361	54.7%	81.2%	14,409

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Age on [date]: Age group of living cases on the specified date.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, reported through 6/30/2016.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year, reported through 6/30/2016.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

Section V – Adult/Adolescent Cases by Demographics

Table 11 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2016

SEX AT BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis		No. with Test	% with Test	Median Count
Male	972,423	452	70.6%	46.5	375	83.0%	100	22.1%		373	82.5%	372
Female	1,061,301	188	29.4%	17.7	158	84.0%	47	25.0%		156	83.0%	354
TOTAL	2,033,724	640	100.0%	31.5	533	83.3%	147	23.0%		529	82.7%	369

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis		No. with Test	% with Test	Median Count
Hispanic	291,574	67	10.5%	23.0	57	85.1%	23	34.3%		58	86.6%	310
Non-Hispanic	1,742,150	573	89.5%	32.9	476	83.1%	124	21.6%		471	82.2%	373
American Indian/Alaska Native, only	4,953	1	0.2%	20.2	***	***	***	***		***	***	***
Asian, only	184,946	12	1.9%	6.5	12	100.0%	***	***		11	91.7%	423
Black, only	714,414	489	76.4%	68.4	405	82.8%	113	23.1%		400	81.8%	360
Native Hawaiian/Other Pacific Islander, only	1,052	0	0.0%	0.0	--	--	--	--		--	--	--
White, only	798,471	61	9.5%	7.6	50	82.0%	5	8.2%		50	82.0%	487
Multiracial/Other	38,314	10	1.6%	26.1	***	***	***	***		***	***	***
TOTAL	2,033,724	640	100.0%	31.5	533	83.3%	147	23.0%		529	82.7%	369

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								First CD4 Test Result		
		No.	% of Total	Rate	No. Linked to Care	% Linked to Care	No. of Late Diagnosis	% Late Diagnosis		No. with Test	% with Test	Median Count
United States	1,444,539	498	77.8%	34.5	405	81.3%	109	21.9%		402	80.7%	377
Foreign-born	520,106	76	11.9%	14.6	69	90.8%	21	27.6%		71	93.4%	330
Africa	--	53	8.3%	--	47	88.7%	14	26.4%		48	90.6%	306
Asia	--	4	0.6%	--	***	***	***	***		***	***	***
Caribbean	--	4	0.6%	--	***	***	***	***		***	***	***
Central America	--	11	1.7%	--	10	90.9%	***	***		11	100.0%	316
Other	--	4	0.6%	--	***	***	***	***		***	***	***
Unknown	--	66	10.3%	--	59	89.4%	17	25.8%		56	84.8%	357
TOTAL	1,964,646	640	100.0%	32.6	533	83.3%	147	23.0%		529	82.7%	369

* Population data by sex at birth, age, and race/ethnicity are from the 2015 U.S. Census population estimates

** Population data by country of birth are from the 2014 American Community Survey

*** Data withheld due to low population and/or case counts

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Table 12 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2016

SEX AT BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Male	972,423	169	66.5%	17.4	3.0	61.5%
Female	1,061,301	85	33.5%	8.0	4.0	56.5%
TOTAL	2,033,724	254	100.0%	12.5	3.3	59.8%

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Hispanic	291,574	31	12.2%	10.6	1.1	87.1%
Non-Hispanic	1,742,150	223	87.8%	12.8	3.7	56.1%
American Indian/Alaska Native, only	4,953	0	0.0%	0.0	--	--
Asian, only	184,946	3	1.2%	1.6	***	***
Black, only	714,414	205	80.7%	28.7	3.5	55.6%
Native Hawaiian/Other Pacific Islander, only	1,052	0	0.0%	0.0	--	--
White, only	798,471	9	3.5%	1.1	4.2	66.7%
Multiracial/Other	38,314	6	2.4%	15.7	***	***
TOTAL	2,033,724	254	100.0%	12.5	3.3	59.8%

COUNTY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
United States	1,444,539	199	78.3%	13.8	3.7	56.8%
Foreign-born	520,106	35	13.8%	6.7	2.6	60.0%
Africa	--	24	9.4%	--	2.3	58.3%
Asia	--	1	0.4%	--	***	***
Caribbean	--	2	0.8%	--	***	***
Central America	--	4	1.6%	--	***	***
Other	--	4	1.6%	--	***	***
Unknown	--	20	7.9%	--	0.8	90.0%
TOTAL	1,964,646	254	100.0%	12.9	3.3	59.8%

* Population data by sex at birth, age, and race/ethnicity are from the 2015 U.S. Census population estimates

** Population data by country of birth are from the 2014 American Community Survey

*** Data withheld due to low population and/or case counts

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Table 13 – Adult/Adolescent Living HIV Cases with and without AIDS by Sex at Birth, Race/Ethnicity, and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016

SEX AT BIRTH	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
Male	972,423	3,617	63.4%	372.0	3,754	63.3%	386.0	7,371	63.4%	758.0	131
Female	1,061,301	2,088	36.6%	196.7	2,172	36.7%	204.7	4,260	36.6%	401.4	249
TOTAL	2,033,724	5,705	100.0%	280.5	5,926	100.0%	291.4	11,631	100.0%	571.9	174

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
Hispanic	291,574	443	7.8%	151.9	586	9.9%	201.0	1,029	8.8%	352.9	283
Non-Hispanic	1,742,150	5,262	92.2%	302.0	5,340	90.1%	306.5	10,602	91.2%	608.6	164
American Indian/Alaska Native, only	4,953	7	0.1%	141.3	0	0.0%	0.0	7	0.1%	141.3	707
Asian, only	184,946	69	1.2%	37.3	41	0.7%	22.2	110	0.9%	59.5	1,681
Black, only	714,414	4,317	75.7%	604.3	4,498	75.9%	629.6	8,815	75.8%	1,233.9	81
Native Hawaiian/Other Pacific Islander, only	1,052	0	0.0%	0.0	3	0.1%	285.2	3	0.0%	285.2	350
White, only	798,471	711	12.5%	89.0	581	9.8%	72.8	1,292	11.1%	161.8	618
Multiracial/Other	38,314	158	2.8%	412.4	217	3.7%	566.4	375	3.2%	978.8	102
TOTAL	2,033,724	5,705	100.0%	280.5	5,926	100.0%	291.4	11,631	100.0%	571.9	174

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			Ratio (1 in X)
		No.	%	Rate	No.	%	Rate	No.	%	Rate	
United States	1,444,539	4,672	81.9%	323.4	4,572	77.2%	316.5	9,244	79.5%	639.9	156
Foreign-born	520,106	793	13.9%	152.5	1,252	21.1%	240.7	2,045	17.6%	393.2	254
Africa	--	518	9.1%	--	830	14.0%	--	1,348	11.6%	--	--
Asia	--	35	0.6%	--	34	0.6%	--	69	0.6%	--	--
Caribbean	--	54	0.9%	--	83	1.4%	--	137	1.2%	--	--
Central America	--	111	1.9%	--	206	3.5%	--	317	2.7%	--	--
Other	--	75	1.3%	--	99	1.7%	--	174	1.5%	--	--
Unknown	--	240	4.2%	--	102	1.7%	--	342	2.9%	--	--
TOTAL	1,964,646	5,705	100.0%	290.4	5,926	100.0%	301.6	11,631	100.0%	592.0	168

* Population data by sex at birth, age, and race/ethnicity are from the 2015 U.S. Census population estimates

** Population data by country of birth are from the 2014 American Community Survey

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2015.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 14 –Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016

SEX AT BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male	7,371	3,934	53.4%	525	11.8%	15.3%	19.9%	53.0%
Female	4,260	2,435	57.2%	583	9.3%	12.1%	18.2%	60.4%
TOTAL	11,631	6,369	54.8%	546	10.8%	14.1%	19.2%	55.8%

RACE/ETHNICITY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Hispanic	1,029	553	53.7%	493	13.0%	14.1%	24.1%	48.8%
Non-Hispanic	10,602	5,816	54.9%	550	10.6%	14.1%	18.8%	56.5%
American Indian/Alaska Native, only	7	***	***	***	***	***	***	***
Asian, only	110	58	52.7%	531	5.2%	15.5%	24.1%	55.2%
Black, only	8,815	4,893	55.5%	539	11.1%	14.6%	19.3%	55.1%
Native Hawaiian/Other Pacific Islander, only	3	***	***	***	***	***	***	***
White, only	1,292	612	47.4%	628	7.5%	10.0%	15.0%	67.5%
Multiracial/Other	375	248	66.1%	564	10.1%	14.1%	17.3%	58.5%
TOTAL	11,631	6,369	54.8%	546	10.8%	14.1%	19.2%	55.8%

COUNTRY OF BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
United States	9,244	5,027	54.4%	553	11.0%	13.7%	18.7%	56.7%
Foreign-born	2,045	1,140	55.7%	527	9.6%	15.2%	22.5%	52.8%
Africa	1,348	788	58.5%	525	8.8%	16.0%	22.5%	52.8%
Asia	69	39	56.5%	511	10.3%	15.4%	20.5%	53.8%
Caribbean	137	67	48.9%	669	11.9%	6.0%	19.4%	62.7%
Central America	317	172	54.3%	471	12.8%	17.4%	25.0%	44.8%
Other	174	74	42.5%	575	8.1%	9.5%	20.3%	62.2%
Unknown	342	202	59.1%	518	14.4%	17.3%	15.3%	53.0%
TOTAL	11,631	6,369	54.8%	546	10.8%	14.1%	19.2%	55.8%

*** Data withheld due to low population and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year, as reported through 6/30/2016.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, as reported through 6/30/2016.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Table 15 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2015 and Reported through 6/30/2016

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
SEX AT BIRTH	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male	7,371	3,914	53.1%	81.2%	15,790
Female	4,260	2,447	57.4%	81.2%	13,193
TOTAL	11,631	6,361	54.7%	81.2%	14,409

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
RACE/ETHNICITY	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Hispanic	1,029	550	53.4%	82.5%	13,780
Non-Hispanic	10,602	5,811	54.8%	81.1%	14,454
American Indian/Alaska Native, only	7	***	***	***	***
Asian, only	110	61	55.5%	90.2%	43,178
Black, only	8,815	4,888	55.5%	80.1%	14,991
Native Hawaiian/Other Pacific Islander, only	3	***	***	***	***
White only	1,292	613	47.4%	86.5%	8,730
Multiracial/Other	375	243	64.8%	85.6%	11,388
TOTAL	11,631	6,361	54.7%	81.2%	14,409

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
COUNTRY OF BIRTH	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
United States	9,244	5,017	54.3%	80.3%	13,780
Foreign-born	2,045	1,136	55.6%	86.6%	18,280
Africa	1,348	780	57.9%	87.4%	10,880
Asia	69	39	56.5%	84.6%	65,694
Caribbean	137	66	48.2%	90.9%	28,526
Central America	317	174	54.9%	80.5%	33,326
Other	174	77	44.3%	89.6%	31,397
Unknown	342	208	60.8%	73.1%	28,949
TOTAL	11,631	6,361	54.7%	81.2%	14,409

*** Data withheld due to low population and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

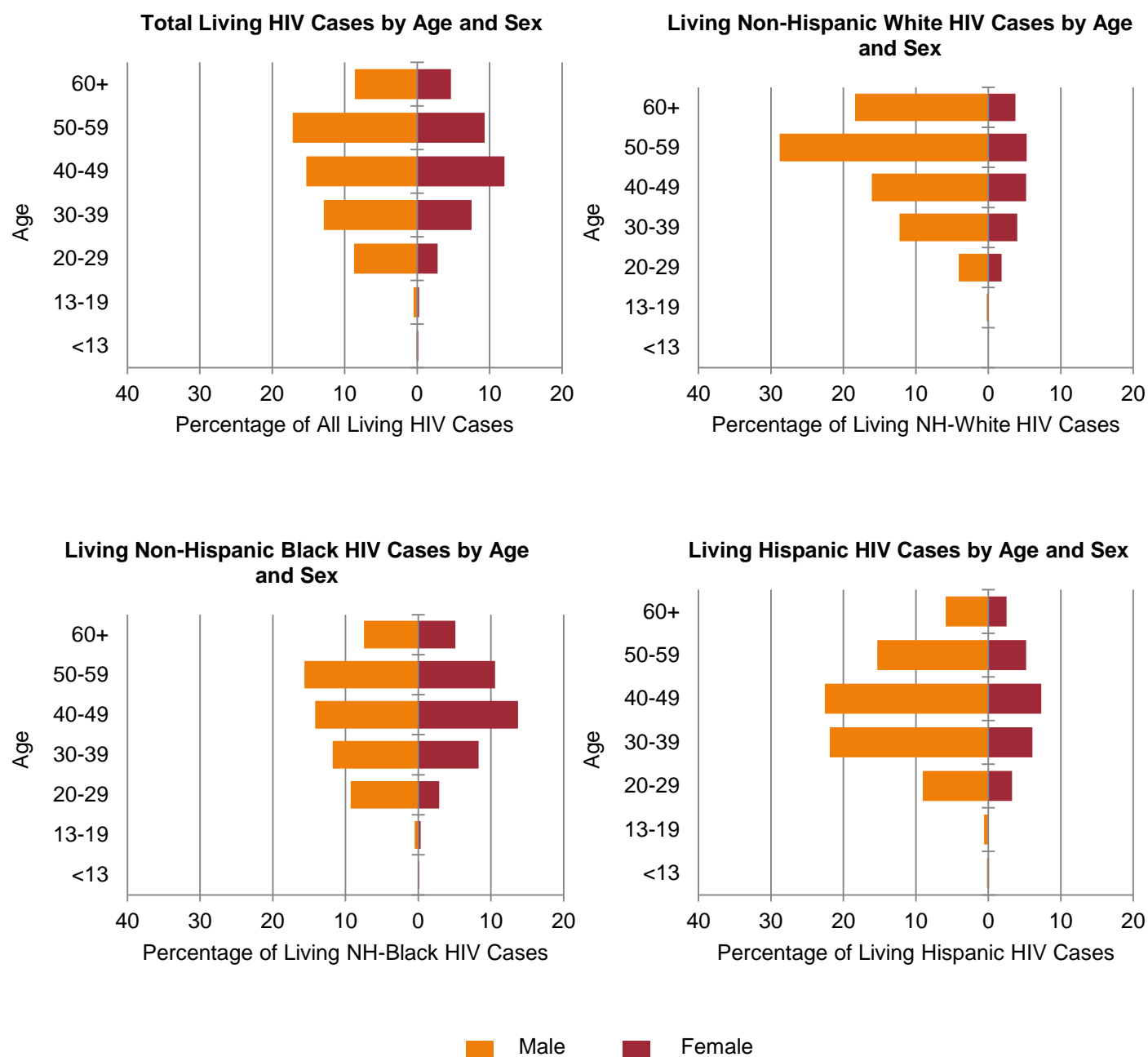
Recent Viral Load Test Result: The most recent viral load test result measured in the specified year, reported through 6/30/2016.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year, reported through 6/30/2016 of 200 copies per milliliter or greater.

Section VI – HIV Cases by Expanded Demographics

Figure 9 – Population Pyramids of Total Living HIV Cases by Current Age, Sex at Birth, and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016



Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Table 16 – Total Living Male HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016

MALES					
AGE ON 12/31/2015		RACE/ETHNICITY			
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race
<13 (Pediatric)	Population	48,900	69,980	62,055	27,286
	Cases	2	7	0	2
	Rate	4.1	10.0	0.0	7.3
	Ratio (1 in X)	24,450	9,997	--	13,642
13-19	Population	20,305	39,941	38,668	13,584
	Cases	6	44	3	3
	Rate	29.5	110.2	7.8	22.1
	Ratio (1 in X)	3,384	907	12,889	4,528
20-29	Population	32,686	57,959	54,239	18,688
	Cases	94	831	53	47
	Rate	287.6	1,433.8	97.7	251.5
	Ratio (1 in X)	347	69	1,023	397
30-39	Population	39,427	53,052	53,115	18,912
	Cases	227	1,052	160	79
	Rate	575.7	1,983.0	301.2	417.7
	Ratio (1 in X)	173	50	331	239
40-49	Population	29,755	57,484	57,777	18,583
	Cases	234	1,269	210	92
	Rate	786.4	2,207.6	363.5	495.1
	Ratio (1 in X)	127	45	275	201
50-59	Population	17,954	57,624	76,316	16,296
	Cases	159	1,399	376	91
	Rate	885.6	2,427.8	492.7	558.4
	Ratio (1 in X)	112	41	202	179
60+	Population	12,341	58,876	108,496	20,345
	Cases	61	668	240	44
	Rate	494.3	1,134.6	221.2	216.3
	Ratio (1 in X)	202	88	452	462
TOTAL MALES BY RACE/ETHNICITY	Population	201,368	394,916	450,666	133,694
	Cases	783	5,270	1,042	358
	Rate	388.8	1,334.5	231.2	267.8
	Ratio (1 in X)	257	74	432	373

Age on [date]: Age group of living cases on the specified date.

Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Population: Population estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 17 – Total Living Female HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016

FEMALES						
AGE ON 12/31/2015		RACE/ETHNICITY				TOTAL FEMALES BY AGE GROUP
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	46,264	67,980	59,369	26,128	199,741
	Cases	1	14	1	1	17
	Rate	2.2	20.6	1.7	3.8	8.5
	Ratio (1 in X)	46,264	4,855	59,369	26,128	11,749
13-19	Population	19,103	39,395	36,246	13,354	108,098
	Cases	0	31	0	1	32
	Rate	0.0	78.7	0.0	7.5	29.6
	Ratio (1 in X)	--	1,270	--	13,354	3,378
20-29	Population	27,758	61,293	51,401	18,756	159,208
	Cases	34	259	24	17	334
	Rate	122.5	422.6	46.7	90.6	209.8
	Ratio (1 in X)	816	236	2,141	1,103	476
30-39	Population	31,907	62,931	53,316	22,978	171,132
	Cases	63	742	52	27	884
	Rate	197.4	1,179.1	97.5	117.5	516.6
	Ratio (1 in X)	506	84	1,025	851	193
40-49	Population	25,822	69,963	60,462	22,569	178,816
	Cases	76	1,229	68	49	1,422
	Rate	294.3	1,756.6	112.5	217.1	795.2
	Ratio (1 in X)	339	56	889	460	125
50-59	Population	18,003	70,803	78,664	19,795	187,265
	Cases	54	946	69	31	1,100
	Rate	300.0	1,336.1	87.7	156.6	587.4
	Ratio (1 in X)	333	74	1,140	638	170
60+	Population	16,513	85,094	129,771	25,404	256,782
	Cases	26	457	49	19	551
	Rate	157.5	537.1	37.8	74.8	214.6
	Ratio (1 in X)	635	186	2,648	1,337	466
TOTAL FEMALES BY RACE/ETHNICITY	Population	185,370	457,459	469,229	148,984	1,261,042
	Cases	254	3,678	263	145	4,340
	Rate	137.0	804.0	56.0	97.3	344.2
	Ratio (1 in X)	729	124	1,784	1,027	290

Age on [date]: Age group of living cases on the specified date.

Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Population: Population estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Section VII – HIV Exposure Category

Table 18 – Adult/Adolescent HIV Diagnoses during 2015, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Exposure Category and Sex at Birth, Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT HIV DIAGNOSES								
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	First CD4 Test Result		
							No. with Test	% with Test	Median Count
With Exposure**	350	100.0%	305	87.1%	74	21.1%	311	88.9%	373
Men who have Sex with Men (MSM)	209	59.7%	180	86.1%	34	16.3%	184	88.0%	402
Injection Drug Users (IDU)	2	0.6%	***	***	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	1	0.3%	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	138	39.4%	122	88.4%	40	29.0%	124	89.9%	338
Other Exposure	0	0.0%	--	--	--	--	--	--	--
No Reported Exposure*	290		228	78.6%	73	25.2%	218	75.2%	352
TOTAL	640		533	83.3%	147	23.0%	529	82.7%	369

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	First CD4 Test Result		
							No. with Test	% with Test	Median Count
With Exposure**	260	100.0%	224	86.2%	54	20.8%	231	88.8%	372
Men who have Sex with Men (MSM)	209	80.4%	180	86.1%	34	16.3%	184	88.0%	402
Injection Drug Users (IDU)	2	0.8%	***	***	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	1	0.4%	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	48	18.5%	41	85.4%	20	41.7%	44	91.7%	242
Other Exposure	0	0.0%	--	--	--	--	--	--	--
No Reported Exposure	192		151	78.6%	46	24.0%	142	74.0%	373
TOTAL	452		375	83.0%	100	22.1%	373	82.5%	372

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES								
	No.	% of Total with Exposure	No. Linked to Care	% Linked to Care	No. of Late Diagnoses	% Late Diagnosis	First CD4 Test Result		
							No. with Test	% with Test	Median Count
With Exposure**	90	100.0%	81	90.0%	20	22.2%	80	88.9%	387
Injection Drug Users (IDU)	0	0.0%	--	--	--	--	--	--	--
Heterosexual Exposure (HET)	90	100.0%	81	90.0%	20	22.2%	80	88.9%	387
Other Exposure	0	0.0%	--	--	--	--	--	--	--
No Reported Exposure*	98		77	78.6%	27	27.6%	76	77.6%	326
TOTAL	188		158	84.0%	47	25.0%	156	83.0%	354

* Includes 4 new HIV diagnoses with Presumed Female Heterosexual exposure

** 2015 reported HIV exposure data are preliminary.

*** Data withheld due to low population and/or case counts

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Table 19 – Adult/Adolescent AIDS Diagnoses during 2015, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Exposure Category and Sex at Birth, Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure**	150	100.0%	3.8	54.7%
Men who have Sex with Men (MSM)	60	40.0%	2.4	61.7%
Injection Drug Users (IDU)	4	2.7%	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	2	1.3%	***	***
Heterosexual Exposure (HET)	84	56.0%	4.0	53.6%
Other Exposures	0	0.0%	--	--
No Reported Exposure*	104		2.7	67.3%
TOTAL	254		3.3	59.8%

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure**	103	100.0%	3.3	58.3%
Men who have Sex with Men (MSM)	60	58.3%	2.4	61.7%
Injection Drug Users (IDU)	3	2.9%	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	2	1.9%	***	***
Heterosexual Exposure (HET)	38	36.9%	3.0	60.5%
Other Exposures	0	0.0%	--	--
No Reported Exposure	66		2.7	66.7%
TOTAL	169		3.0	61.5%

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT AIDS DIAGNOSES			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure**	47	100.0%	4.8	46.8%
Injection Drug Users (IDU)	1	2.1%	***	***
Heterosexual Exposure (HET)	46	97.9%	***	***
Other Exposures	0	0.0%	--	--
No Reported Exposure*	38		2.9	68.4%
TOTAL	85		4.0	56.5%

* Includes 1 new AIDS diagnosis with Presumed Female Heterosexual exposure

** 2015 reported HIV exposure data are preliminary.

*** Data withheld due to low population and/or case counts

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Table 20 – Adult/Adolescent Living HIV Cases with and without AIDS by Exposure Category and Sex at Birth, Alive on 12/31/2015 and Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	3,618	100.0%	4,689	100.0%	8,307	100.0%
Men who have Sex with Men (MSM)	1,820	50.3%	1,729	36.9%	3,549	42.7%
Injection Drug Users (IDU)	133	3.7%	423	9.0%	556	6.7%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	43	1.2%	129	2.8%	172	2.1%
Heterosexual Exposure (HET)	1,611	44.5%	2,386	50.9%	3,997	48.1%
Other Exposures	11	0.3%	22	0.5%	33	0.4%
No Reported Exposure*	2,087		1,237		3,324	
TOTAL	5,705		5,926		11,631	

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	2,453	100.0%	3,039	100.0%	5,492	100.0%
Men who have Sex with Men (MSM)	1,820	74.2%	1,729	56.9%	3,549	64.6%
Injection Drug Users (IDU)	84	3.4%	258	8.5%	342	6.2%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	43	1.8%	129	4.2%	172	3.1%
Heterosexual Exposure (HET)	502	20.5%	913	30.0%	1,415	25.8%
Other Exposures	4	0.2%	10	0.3%	14	0.3%
No Reported Exposure	1,164		715		1,879	
TOTAL	3,617		3,754		7,371	

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS		ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS		ADULT/ADOLESCENT TOTAL LIVING HIV CASES	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	1,165	100.0%	1,650	100.0%	2,815	100.0%
Injection Drug Users (IDU)	49	4.2%	165	10.0%	214	7.6%
Heterosexual Exposure (HET)	1,109	95.2%	1,473	89.3%	2,582	91.7%
Other Exposures	7	0.6%	12	0.7%	19	0.7%
No Reported Exposure*	923		522		1,445	
TOTAL	2,088		2,172		4,260	

* Includes 25 HIV cases without AIDS and 31 HIV cases with AIDS with Presumed Female Heterosexual exposure

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Table 21 – Adult/Adolescent Total Living HIV Cases by Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2015 and Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	821	100.0%	6,188	100.0%	936	100.0%
Men who have Sex with Men (MSM)	385	46.9%	2,324	37.6%	643	68.7%
Injection Drug Users (IDU)	28	3.4%	422	6.8%	74	7.9%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	14	1.7%	111	1.8%	34	3.6%
Heterosexual Exposure (HET)	393	47.9%	3,309	53.5%	175	18.7%
Other Exposures	1	0.1%	22	0.4%	10	1.1%
No Reported Exposure*	208		2,627	29.8%	356	27.6%
TOTAL	1,029		8,815	100.0%	1,292	100.0%

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	634	100.0%	3,794	100.0%	795	100.0%
Men who have Sex with Men (MSM)	385	60.7%	2,324	61.3%	643	80.9%
Injection Drug Users (IDU)	20	3.2%	256	6.7%	48	6.0%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	14	2.2%	111	2.9%	34	4.3%
Heterosexual Exposure (HET)	214	33.8%	1,097	28.9%	63	7.9%
Other Exposures	1	0.2%	6	0.2%	7	0.9%
No Reported Exposure	143		1,411	27.1%	241	23.3%
TOTAL	777		5,205	100.0%	1,036	100.0%

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	187	100.0%	2,394	100.0%	141	100.0%
Injection Drug Users (IDU)	8	4.3%	166	6.9%	26	18.4%
Heterosexual Exposure (HET)	179	95.7%	2,212	92.4%	112	79.4%
Other Exposures	0	0.0%	16	0.7%	3	2.1%
No Reported Exposure*	65		1,216	33.7%	115	44.9%
TOTAL	252		3,610	100.0%	256	100.0%

* Includes 4 Hispanic cases, 49 non-Hispanic black cases, and 1 non-Hispanic white case with Presumed Female Heterosexual exposure

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Table 22 – Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results by Exposure Category, Alive on 12/31/2015 and Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
With Exposure	8,307	4,802	57.8%	545	10.5%	13.8%	19.9%	55.9%
Men who have Sex with Men (MSM)	3,549	1,976	55.7%	553	9.7%	13.4%	19.7%	57.2%
Injection Drug Users (IDU)	556	251	45.1%	500	13.1%	17.1%	19.5%	50.2%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	172	90	52.3%	480	14.4%	18.9%	18.9%	47.8%
Heterosexual Exposure (HET)	3,997	2,473	61.9%	546	10.7%	13.6%	20.1%	55.6%
Other Exposures	33	12	36.4%	475	16.7%	16.7%	16.7%	50.0%
No Reported Exposure*	3,324	1,567	47.1%	549	11.9%	14.9%	17.4%	55.8%
TOTAL	11,631	6,369	54.8%	546	10.8%	14.1%	19.2%	55.8%

* Includes 56 cases with Presumed Female Heterosexual exposure

Table 23 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results by Exposure Category, Alive on 12/31/2015 and Reported through 6/30/2016

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Results			
		No. with Test	% with Test	% Suppressed	Median Count
With Exposure	8,307	4,791	57.7%	82.1%	14,161
Men who have Sex with Men (MSM)	3,549	1,960	55.2%	81.2%	14,536
Injection Drug Users (IDU)	556	245	44.1%	80.8%	29,522
Men who have Sex with Men and Inject Drugs (MSM/IDU)	172	89	51.7%	79.8%	4,015
Heterosexual Exposure (HET)	3,997	2,486	62.2%	83.0%	13,603
Other Exposures	33	11	33.3%	72.7%	520
No Reported Exposure*	3,324	1,570	47.2%	78.5%	15,305
TOTAL	11,631	6,361	54.7%	81.2%	14,409

* Includes 56 cases with Presumed Female Heterosexual exposure

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, as reported through 6/30/2016.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year, reported through 6/30/2016.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter reported through 6/30/2016.

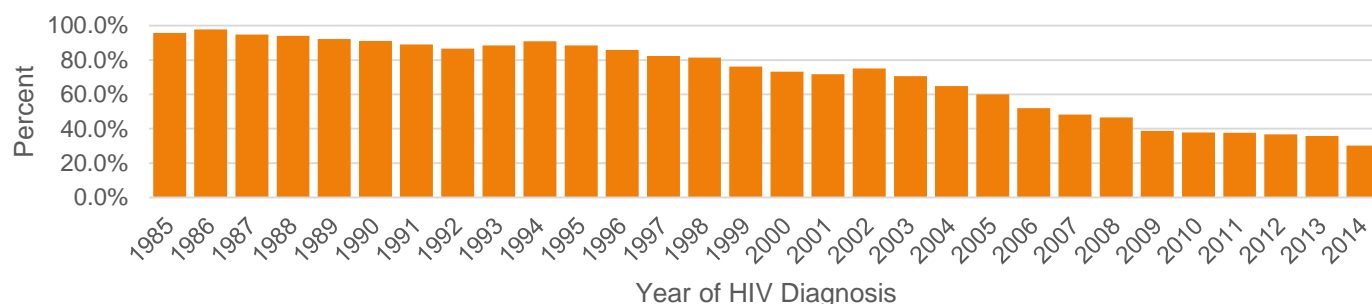
Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

Section VIII – Disease Progression and Mortality

Figure 10 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2014, Reported through 6/30/2016

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis by 06/30/2014 (Adult/Adolescent Reported HIV Diagnoses), Number of Adult/Adolescent Reported HIV Cases with an AIDS Diagnosis by 12/31/2015 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Adult/Adolescent Reported HIV Diagnoses with a Reported AIDS Diagnosis by 12/31/2015, the Average Years from HIV Diagnosis to AIDS Diagnosis for Cases with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported Adult/Adolescent HIV Diagnoses with a Reported AIDS Diagnosis at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2014, as Reported by Name through 6/30/2016

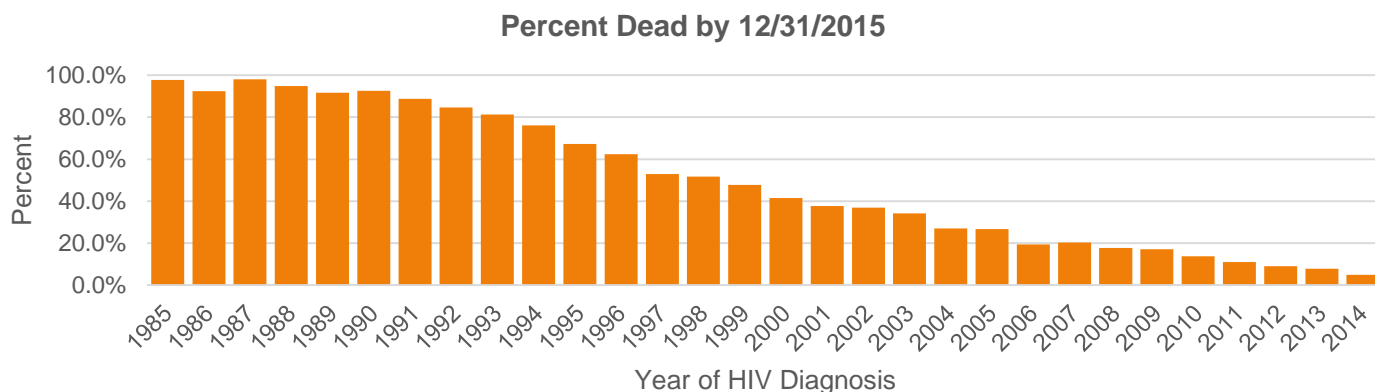
Percent with AIDS by 12/31/2015



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	110	105	95.5%	7.1	47.3%	47.3%	50.9%	62.7%
1985	216	207	95.8%	5.8	41.7%	43.1%	48.6%	74.1%
1986	282	276	97.9%	4.9	42.6%	43.6%	53.5%	85.8%
1987	383	363	94.8%	3.7	49.3%	50.1%	65.3%	86.2%
1988	432	407	94.2%	3.2	49.3%	53.2%	72.7%	87.5%
1989	526	485	92.2%	2.8	50.6%	53.2%	73.4%	86.9%
1990	537	489	91.1%	2.7	49.0%	56.6%	74.9%	86.4%
1991	612	545	89.1%	2.5	51.5%	59.3%	76.3%	83.8%
1992	543	470	86.6%	2.9	49.0%	55.6%	70.7%	78.6%
1993	457	405	88.6%	2.1	59.3%	65.4%	76.1%	83.6%
1994	439	399	90.9%	1.8	66.1%	72.0%	78.4%	86.6%
1995	462	409	88.5%	1.9	63.6%	69.0%	74.9%	84.4%
1996	432	371	85.9%	1.9	61.1%	63.9%	73.6%	81.9%
1997	450	371	82.4%	1.9	61.3%	64.7%	70.7%	78.9%
1998	432	352	81.5%	1.8	59.0%	62.7%	69.4%	78.0%
1999	478	364	76.2%	1.5	59.2%	62.6%	67.2%	73.0%
2000	477	349	73.2%	1.6	55.6%	58.3%	64.6%	70.6%
2001	495	355	71.7%	1.5	53.5%	55.6%	64.2%	69.1%
2002	532	400	75.2%	1.0	62.2%	65.8%	71.1%	73.5%
2003	592	418	70.6%	1.0	58.6%	60.8%	65.2%	69.9%
2004	659	428	64.9%	1.1	53.3%	55.7%	58.6%	64.5%
2005	674	405	60.1%	1.0	49.7%	51.9%	55.5%	59.6%
2006	728	379	52.1%	1.1	40.8%	43.4%	47.8%	--
2007	902	436	48.3%	1.3	36.1%	37.5%	43.0%	--
2008	834	389	46.6%	1.1	35.5%	37.9%	43.5%	--
2009	720	279	38.8%	1.0	30.4%	31.9%	37.2%	--
2010	744	281	37.8%	0.8	29.3%	32.1%	36.4%	--
2011	650	245	37.7%	0.6	31.5%	34.6%	--	--
2012	609	224	36.8%	0.5	32.2%	34.6%	--	--
2013	611	219	35.8%	0.3	32.6%	34.7%	--	--
2014	635	192	30.2%	0.2	28.0%	--	--	--
TOTAL	16,653	11,017	66.2%	1.9	46.4%	49.6%	56.9%	63.3%

Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2014, Reported through 6/30/2016

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by 12/31/14 (Adult/Adolescent Reported AIDS Diagnoses), Number of Adult/Adolescent Reported AIDS Diagnosis Reported to Have Died of Any Cause by 12/31/2015 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) by 12/31/2015, the Average Years from AIDS Diagnosis to Death for Cases that have Died, and the Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2014, as Reported by Name through 6/30/2016



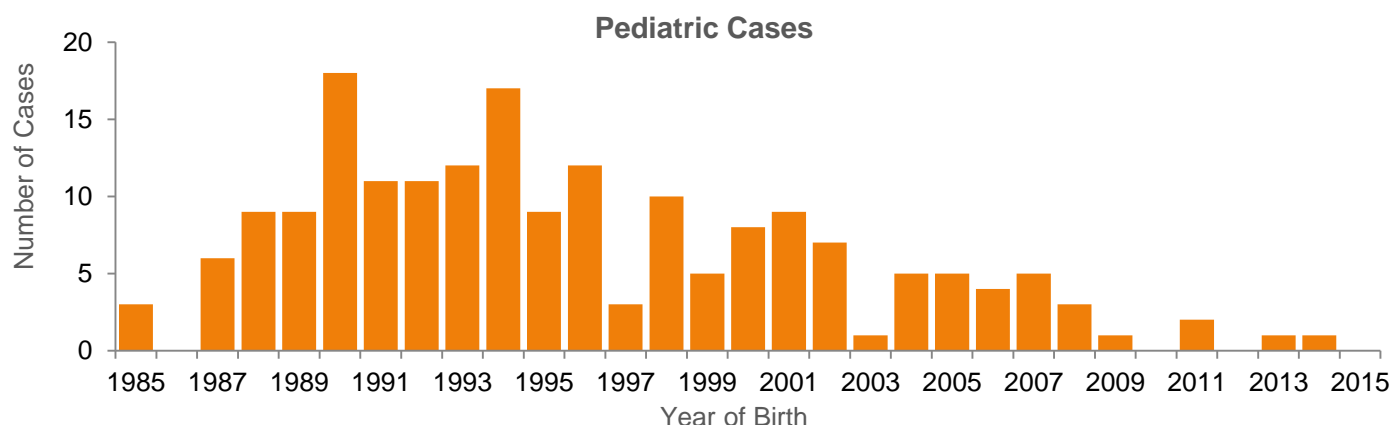
YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Dead	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	58	58	100.0%	0.9	32.8%	6.9%	3.4%	0.0%
1985	88	86	97.7%	1.4	40.9%	15.9%	11.4%	3.4%
1986	119	110	92.4%	1.6	51.3%	31.9%	12.6%	9.2%
1987	197	193	98.0%	2.0	52.3%	29.4%	10.7%	6.1%
1988	217	206	94.9%	1.9	61.3%	35.5%	12.9%	6.9%
1989	290	266	91.7%	2.7	68.3%	50.3%	21.0%	12.8%
1990	307	284	92.5%	2.8	65.1%	48.5%	22.1%	13.7%
1991	381	338	88.7%	2.4	67.7%	51.2%	19.4%	14.7%
1992	465	394	84.7%	2.8	74.2%	53.1%	25.6%	20.6%
1993	493	401	81.3%	3.1	72.4%	57.0%	33.3%	25.8%
1994	531	404	76.1%	3.2	75.3%	55.0%	40.5%	30.3%
1995	515	346	67.2%	4.2	74.2%	64.5%	54.0%	42.7%
1996	449	280	62.4%	4.9	81.1%	75.1%	64.4%	49.0%
1997	378	200	52.9%	4.2	81.0%	75.7%	64.6%	54.5%
1998	350	181	51.7%	4.8	85.4%	82.0%	71.1%	56.0%
1999	371	177	47.7%	4.2	84.9%	79.2%	69.5%	57.4%
2000	371	154	41.5%	5.4	91.6%	89.2%	79.0%	65.5%
2001	375	141	37.6%	4.0	87.2%	84.0%	75.5%	66.9%
2002	404	149	36.9%	3.5	86.4%	83.9%	74.0%	66.6%
2003	450	154	34.2%	3.2	87.3%	82.4%	75.3%	68.0%
2004	438	118	26.9%	3.5	90.0%	87.0%	82.0%	74.7%
2005	464	124	26.7%	2.6	88.1%	85.8%	78.9%	73.3%
2006	423	82	19.4%	3.2	93.6%	91.3%	86.1%	--
2007	419	85	20.3%	2.2	90.0%	87.4%	83.5%	--
2008	367	65	17.7%	1.7	90.2%	88.0%	84.2%	--
2009	299	51	17.1%	1.4	90.6%	88.3%	83.3%	--
2010	365	50	13.7%	1.5	93.2%	90.4%	--	--
2011	290	32	11.0%	1.2	93.8%	91.4%	--	--
2012	344	31	9.0%	0.7	93.3%	91.6%	--	--
2013	350	27	7.7%	0.7	94.3%	93.1%	--	--
2014*	304	15	4.9%	0.5	96.1%	--	--	--
TOTAL	10,872	5,202	47.8%	3.1	82.0%	73.9%	62.6%	55.9%

*2014 reported AIDS deaths are preliminary.

Section IX – Pediatric Cases

Figure 12 – Trends in Pediatric HIV Cases, 1985-2015, Reported through 6/30/2016

Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis and Not Reported to have Died as of December 31st of Each Year (Pediatric Total Living HIV Cases) from 1985 through 2015, as Reported by Name through 6/30/2016



YEAR	PEDIATRIC REPORTED HIV DIAGNOSES				PEDIATRIC TOTAL LIVING HIV CASES
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	No. Alive on 12/31 of Each Year
<1985	21	2	1	0	
1985	3	5	2	1	6
1986	0	6	0	0	12
1987	6	5	4	0	17
1988	9	3	3	2	19
1989	9	6	5	2	23
1990	18	10	5	4	29
1991	11	11	8	3	38
1992	11	12	7	2	47
1993	12	8	8	4	51
1994	17	9	6	3	58
1995	9	9	8	6	60
1996	12	13	10	2	70
1997	3	4	5	0	74
1998	10	4	1	3	75
1999	5	13	6	0	87
2000	8	5	3	0	92
2001	9	5	3	2	95
2002	7	11	3	0	106
2003	1	3	1	4	105
2004	5	4	2	3	106
2005	5	8	3	2	112
2006	4	11	3	1	122
2007	5	20	2	1	141
2008	3	5	2	0	147
2009	1	3	0	0	150
2010	0	1	2	2	150
2011	2	5	3	0	155
2012	0	1	0	0	158
2013	1	2	1	1	159
2014	1	4	2	0	163
2015	0	0	4	0	162
TOTAL	208	208	113	48	

Table 24 – Pediatric HIV Total Living HIV Cases, Alive on 12/31/2015, by Jurisdiction, Reported through 6/30/2016

JURISDICTION OF RESIDENCE AT DIAGNOSIS	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Calvert	2	1.2%
Charles	4	2.5%
Frederick	6	3.7%
Montgomery	45	27.8%
Prince George's	105	64.8%
TOTAL	162	100.0%

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis for pediatric reported HIV diagnoses, and jurisdiction of residence at later of time of initial HIV diagnosis or initial AIDS diagnosis for pediatric total living HIV cases.

Pediatric Total Living HIV Cases: Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Table 25 – Pediatric Total Living HIV Cases by Sex at Birth and Race/Ethnicity, Alive on 12/31/2015 and Reported through 6/30/2016

SEX AT BIRTH	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Male	80	49.4%
Female	82	50.6%
TOTAL	162	100.0%

RACE/ETHNICITY	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Hispanic	8	4.9%
Non-Hispanic	154	95.1%
American Indian/ Alaska Native, only	0	0.0%
Asian, only	0	0.0%
Black, only	133	82.1%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	13	8.0%
Multiracial/Other	8	4.9%
TOTAL	162	100.0%

Pediatric Reported HIV Diagnoses: Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

Pediatric Total Living HIV Cases: Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Glossary of Terms

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Age at AIDS Diagnosis: Age group at time of initial AIDS diagnosis.

Age at HIV Diagnosis: Age group at time of initial HIV diagnosis.

Age on [date]: Age group of living cases on the specified date.

AIDS Deaths: Reported HIV diagnoses with an AIDS diagnosis that have died due to any cause.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Current Residence: Jurisdiction of residence from the most recent laboratory test or case report between 1/1/2009-6/30/2016.

First CD4 Test Result: First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

Jurisdiction of Residence: Jurisdiction of residence at time of initial HIV diagnosis or most recent lab test.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at the later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Living HIV Cases with AIDS: Reported HIV diagnoses with an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Living HIV Cases without AIDS: Reported HIV diagnoses without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Mean Years from HIV Diagnosis (to AIDS Diagnosis): Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Mean Years from AIDS diagnosis to AIDS Death: Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

Median: The measure of central location, which divides a set of data into two equal parts.

Median Count (First CD4): Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Median Count (Recent CD4): Median CD4 count (cells per microliter) of the most recent CD4 test result measured in the specified year, reported through 6/30/2016.

Median Unsuppressed (Viral Load): Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result measured in the specified year of 200 copies per milliliter or greater, reported through 6/30/2016.

Number Linked to Care: Number of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis calculated from Percent Linked to Care.

Number of Late HIV diagnosis (for HIV diagnoses): Number of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis calculated from Percent Late HIV Diagnosis.

Pediatric Reported HIV Diagnoses: Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

Pediatric Total Living HIV Cases: Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Percent Alive by Years after AIDS Diagnosis: Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

Percent Late HIV Diagnosis (for AIDS diagnoses): Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Percent Late HIV Diagnosis (for HIV diagnoses): Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Percent Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Percent Suppressed (Viral Load): Percent of adult/adolescent total living HIV cases with a most recent viral load measured in the specified year of less than 200 copies per milliliter, reported through 6/30/2016.

Percent with AIDS: Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis by 12/31/2015.

Percent with AIDS by Years after HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

Population: Population estimate for 7/1/2015.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2015.

Rate: A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year, reported through 6/30/2016.

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year, reported through 6/30/2016.

Reported AIDS Deaths: Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

Reported AIDS Diagnoses: Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

Reported HIV Diagnoses: Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

Retained in HIV Care: HIV Diagnosed with a CD4 test result measured in the specified year, reported through 6/30/2016.

Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.